

ASSIGNMENT - 1

Assessing the Safety of Municipal Drinking Water

Name : Hariharan b

Register number : 922520106048

Naan Muthalvan Team: Analytical Data Science

Team ID: NM2023TMID19767

Assignmentlink in Workwl

a

```
{
  "nbformat": 4,
  "nbformat_minor": 0,
  "metadata": {
    "colab": {
      "provenance": []
    },
    "kernelspec": {
      "name": "python3",
      "display_name": "Python 3"
    },
    "language_info": {
      "name": "python"
    }
  },
  "cells": [
    {
      "cell_type": "code",
      "execution_count": 5,
      "metadata": {
        "id": "_H0t62PMh9tN"
      },
      "outputs": [],
      "source": [
        "#Naan Mudhalvan AI Assignment 1 - Vignesh N - 922520106170 \n",
        "\n",
        "#Import data\n",
        "\n",
        "import pandas as pd\n",
        "data = pd.read_csv(\"/content/House Price India.csv\")"
      ]
    },
    {
      "cell_type": "code",
      "source": [
        "#Check the data: Use the head() function to check the first few
        rows of data and make sure it is loaded correctly.\n",
        "\n",
        "print(data.head())\n"
      ],
      "metadata": {
        "colab": {
          "base_uri": "https://localhost:8080/"
        },
        "id": "MAKxvR81i7h3",
        "outputId": "f6079cfe-5369-4ed6-c87a-65312d9cac4d"
      },
      "execution_count": 8,
      "outputs": [
        {
          "output_type": "stream",
          "name": "stdout",
          "text": [
            "      id  Date  number of bedrooms  number of
            bathrooms  living area  \\\n",
```

	"0	6762810145	42491		5
2.50		3650	\n",		
	"1	6762810635	42491		4
2.50		2920	\n",		
	"2	6762810998	42491		5
2.75		2910	\n",		
	"3	6762812605	42491		4
2.50		3310	\n",		
	"4	6762812919	42491		3
2.00		2710	\n",		
	"\n",				
	"	lot area	number of floors	waterfront present	number of
views	\\n",				
	"0	9050		2.0	0
4	\n",				
	"1	4000		1.5	0
0	\n",				
	"2	9480		1.5	0
0	\n",				
	"3	42998		2.0	0
0	\n",				
	"4	4500		1.5	0
0	\n",				
	"\n",				
	"	condition of the house	...	Built Year	Renovation Year
Postal Code	\\n",				
	"0		5	...	1921
122003	\n",				0
	"1		5	...	1909
122004	\n",				0
	"2		3	...	1939
122004	\n",				0
	"3		3	...	2001
122005	\n",				0
	"4		4	...	1929
122006	\n",				0
	"\n",				
	"	Lattitude	Longitude	living_area_renov	lot_area_renov
\\n",					
	"0	52.8645	-114.557	2880	5400
\n",					
	"1	52.8878	-114.470	2470	4000
\n",					
	"2	52.8852	-114.468	2940	6600
\n",					
	"3	52.9532	-114.321	3350	42847
\n",					
	"4	52.9047	-114.485	2060	4500
\n",					
	"\n",				
	"	Number of schools nearby		Distance from the airport	
Price	\n",				
	"0			2	58
2380000	\n",				
	"1			2	51
1400000	\n",				
	"2			1	53
1200000	\n",				

```

838000      "3                                3                                76
            "\n",
            "4                                1                                51
805000      "\n",
            "[5 rows x 23 columns]\n"
        ]
    }
}
},
{
    "cell_type": "code",
    "source": [
        "# Get basic information: Use the info() function to get basic
information about \n",
        "# the dataset, including the number of rows and columns, data
type of each column,\n",
        "# and the number of non-null values.\n",
        "\n",
        "print(data.info())\n"
    ],
    "metadata": {
        "colab": {
            "base_uri": "https://localhost:8080/"
        },
        "id": "chEVqvjejqoe",
        "outputId": "f32b6ff5-45b5-4478-8dc3-21adba4a6e34"
    },
    "execution_count": 9,
    "outputs": [
        {
            "output_type": "stream",
            "name": "stdout",
            "text": [
                "<class 'pandas.core.frame.DataFrame'>\n",
                "RangeIndex: 14620 entries, 0 to 14619\n",
                "Data columns (total 23 columns):\n",
                " #   Column                                     Non-Null Count
Dtype  \n",
                "---  ---
-----  \n",
                "  0   id                                       14620 non-null
int64  \n",
                "  1   Date                                    14620 non-null
int64  \n",
                "  2   number of bedrooms                    14620 non-null
int64  \n",
                "  3   number of bathrooms                  14620 non-null
float64\n",
                "  4   living area                          14620 non-null
int64  \n",
                "  5   lot area                             14620 non-null
int64  \n",
                "  6   number of floors                     14620 non-null
float64\n",
                "  7   waterfront present                   14620 non-null
int64  \n",

```

```

        " 8    number of views          14620 non-null
int64  \n",
        " 9    condition of the house    14620 non-null
int64  \n",
        " 10   grade of the house         14620 non-null
int64  \n",
        " 11   Area of the house(excluding basement) 14620 non-null
int64  \n",
        " 12   Area of the basement        14620 non-null
int64  \n",
        " 13   Built Year                   14620 non-null
int64  \n",
        " 14   Renovation Year              14620 non-null
int64  \n",
        " 15   Postal Code                  14620 non-null
int64  \n",
        " 16   Lattitude                    14620 non-null
float64\n",
        " 17   Longitude                     14620 non-null
float64\n",
        " 18   living_area_renov             14620 non-null
int64  \n",
        " 19   lot_area_renov                14620 non-null
int64  \n",
        " 20   Number of schools nearby      14620 non-null
int64  \n",
        " 21   Distance from the airport     14620 non-null
int64  \n",
        " 22   Price                          14620 non-null
int64  \n",
        "dtypes: float64(4), int64(19)\n",
        "memory usage: 2.6 MB\n",
        "None\n"
    ]
}
]
},
{
    "cell_type": "code",
    "source": [
        "# Describe the data: Use the describe() function to get
descriptive statistics \n",
        "# for each column, such as the mean, standard deviation,
minimum, and maximum.\n",
        "\n",
        "print(data.describe())\n"
    ],
    "metadata": {
        "colab": {
            "base_uri": "https://localhost:8080/"
        },
        "id": "-oS0gkej4XD",
        "outputId": "6cc24686-18a8-4a7d-e7a0-4cac0bf36fe0"
    },
    "execution_count": 10,
    "outputs": [
        {
            "output_type": "stream",

```

```

"name": "stdout",
"text": [
    "
        id          Date  number of bedrooms
number of bathrooms  \\\n",
    "count  1.462000e+04  14620.000000  14620.000000
14620.000000  \n",
    "mean  6.762821e+09  42604.538646  3.379343
2.129583  \n",
    "std  6.237575e+03  67.347991  0.938719
0.769934  \n",
    "min  6.762810e+09  42491.000000  1.000000
0.500000  \n",
    "25%  6.762815e+09  42546.000000  3.000000
1.750000  \n",
    "50%  6.762821e+09  42600.000000  3.000000
2.250000  \n",
    "75%  6.762826e+09  42662.000000  4.000000
2.500000  \n",
    "max  6.762832e+09  42734.000000  33.000000
8.000000  \n",
    "\n",
    "
        living area    lot area  number of floors
waterfront present  \\\n",
    "count  14620.000000  1.462000e+04  14620.000000
14620.000000  \n",
    "mean  2098.262996  1.509328e+04  1.502360
0.007661  \n",
    "std  928.275721  3.791962e+04  0.540239
0.087193  \n",
    "min  370.000000  5.200000e+02  1.000000
0.000000  \n",
    "25%  1440.000000  5.010750e+03  1.000000
0.000000  \n",
    "50%  1930.000000  7.620000e+03  1.500000
0.000000  \n",
    "75%  2570.000000  1.080000e+04  2.000000
0.000000  \n",
    "max  13540.000000  1.074218e+06  3.500000
1.000000  \n",
    "\n",
    "
        number of views  condition of the house  ...  Built
Year  \\\n",
    "count  14620.000000  14620.000000  ...
14620.000000  \n",
    "mean  0.233105  3.430506  ...
1970.926402  \n",
    "std  0.766259  0.664151  ...
29.493625  \n",
    "min  0.000000  1.000000  ...
1900.000000  \n",
    "25%  0.000000  3.000000  ...
1951.000000  \n",
    "50%  0.000000  3.000000  ...
1975.000000  \n",
    "75%  0.000000  4.000000  ...
1997.000000  \n",
    "max  4.000000  5.000000  ...
2015.000000  \n",

```

```

        "\n",
        "
Renovation Year      Postal Code      Latitude
Longitude  \\ \n",
"count      14620.000000      14620.000000      14620.000000
14620.000000  \n",
"mean      90.924008      122033.062244      52.792848      -
114.404007  \n",
"std      416.216661      19.082418      0.137522
0.141326  \n",
"min      0.000000      122003.000000      52.385900      -
114.709000  \n",
"25%      0.000000      122017.000000      52.707600      -
114.519000  \n",
"50%      0.000000      122032.000000      52.806400      -
114.421000  \n",
"75%      0.000000      122048.000000      52.908900      -
114.315000  \n",
"max      2015.000000      122072.000000      53.007600      -
113.505000  \n",
"\n",
"
living_area_renov  lot_area_renov  Number of schools
nearby  \\ \n",
"count      14620.000000      14620.000000
14620.000000  \n",
"mean      1996.702257      12753.500068
2.012244  \n",
"std      691.093366      26058.414467
0.817284  \n",
"min      460.000000      651.000000
1.000000  \n",
"25%      1490.000000      5097.750000
1.000000  \n",
"50%      1850.000000      7620.000000
2.000000  \n",
"75%      2380.000000      10125.000000
3.000000  \n",
"max      6110.000000      560617.000000
3.000000  \n",
"\n",
"
Distance from the airport      Price  \n",
"count      14620.000000      1.462000e+04  \n",
"mean      64.950958      5.389322e+05  \n",
"std      8.936008      3.675324e+05  \n",
"min      50.000000      7.800000e+04  \n",
"25%      57.000000      3.200000e+05  \n",
"50%      65.000000      4.500000e+05  \n",
"75%      73.000000      6.450000e+05  \n",
"max      80.000000      7.700000e+06  \n",
"\n",
"[8 rows x 23 columns]\n"
]
}
]
},
{
"cell_type": "code",
"source": [

```

```
# Visualize the data: Use the matplotlib or seaborn libraries to
create visualizations like histograms, box plots, and\n",
"# density plots to explore the distribution of each
variable.\n",
"\n",
"import matplotlib.pyplot as plt\n",
"\n",
"\n",
"# Uni-Variant Analysis\n",
"\n",
"plt.hist(data['number of bedrooms'])\n",
"plt.show()\n"
],
"metadata": {
  "colab": {
    "base_uri": "https://localhost:8080/",
    "height": 430
  },
  "id": "Fbpl9Vd6kDt1",
  "outputId": "970c387a-05f4-4087-9694-96c7d03f0fe6"
},
"execution_count": 12,
"outputs": [
  {
    "output_type": "display_data",
    "data": {
      "text/plain": [
        "<Figure size 640x480 with 1 Axes>"
      ],
      "image/png":
"iVBORw0KGgoAAAANSUheUgAAAJkAAAGdCAYAAADwjmIIIAAAAOXRFWHRTb2Z0d2FyZQBNYXRw
bG90bGliIHZlcnNpb24zLjcuMSwgaHR0cHM6Ly9tYXRwbG90bGliLm9yZy/bCgiHAAACXBIW
XMAAA9hAAAPYQGoP6dpAAApJE1EQVR4nO3df3RU5YH/8U8C5IfATPhhZpglYPyxQBaEChqmKq
slhyDoSo27IGlhawqrTVwhKiRVi1rb0LBoQVmylG7DOYWK7BFUqJE0CNlCCBDIAhFSDkOBxUl
sITMQJARyv394cr+OBAGdMOTH/TrnnkPufebOc+/e07z3ZuYaYVmWJQAAAMNEhnsCAAAAHYHI
AQAARiJyAACAkYgcAABgJCIHAAAYicgBAABGInIAAICRiBwAAGCkruGeQDiltrbqyJEj6tmzp
yIiIsI9HQAACBEsy9Lx48f18XgUGXn++zVXdeQcOXJECQkJ4Z4GAAD4Bg4dOqT+/fufd/tVHT
k9e/aU9MVJcjcgcYZ4NAAC4GIFAQAKJCfbv8f05qiOn7U9UDoeDyAEaJo50EdN+OAxAAAwEpE
DAACMROQAAAAjETkaAMBIRA4AADASkQMAAIXE5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAA
IXE5AADASEQOAAAwEpEDAACM1DXcEzDvDtnrw2FS/bx/InhngIAACHDnRwAAGAkIgcAABiJy
AEAAEYicgAAGJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABgJCIHAAAYicgBAABGInIAAI
CRiBwAAGAkIgcAABiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABgJCI
HAAAYicgBAABGInIAAICRiBwAAGAkIgcAABiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGOmSI6es
rEz33XefPB6PIiIitHbtWntbS0uL5s6dq2HDhql79+7yeDyaNm2ajhw5ErSPo0ePKj09XQ6HQ
3FxccrIyNCJEyeCxyzs0d33nmnYmJilJCQoIKCgnPmsnrlag0ePFgxMTEaNMyy/vCHPlzq4Q
AAAENDcuQONTVP+PDhWrJkyTnbTp48qV27dunZZ5/Vrl279Oabb6qmpkb/8A//EDQuPT1d1dX
VKikp0bp161RWVqaZM2fa2wOBgMaNG6eBAweqsrJSCxYs0Lx587Rs2TJ7zNatW/XQW8pIyND
u3fv1qRJkzRp0iTT27fvUg8JAAAYKMKyL0sbvzgiQmvWrNGkSZPOO2bHjh267bbb9Mkn2jAg
AHav3+/kpKStGPHDo0aNUqSVFxcRAkTJujw4cPyeDxaunSpnn76af18PkVFRUmScnJytHbtWh
04cECSNHnyZDU1NWndunX2e40ePVoJRoXQYWHhRc0/EajI6XTK7/fL4XB8w7PQvuty1od0f5f
Dx/MnhnsKAABc0MX+/u7wz+T4/X5FREQoLi5Ok1ReXq64uDg7cCQpJSVFkZGRqqiosMeMGTPG
DhxJSk1NVU1NjY4d02aPSULJCXqvlNRULZeXn3cuzc3NCgQCQQsAADBTh0bOqVOnNHfuXD300
EN2af18PsXHxwEN69q1q3r37i2fz2ePcblcQWPafR7QmLbt7cnPz5fT6bSXhISEb3eAADgit
VhkdPS0qJ/+qd/kmVZWrp0aUe9zSXJzc2V3++3l0OHDov7SgAAoIN07YidtgXOJ598oo0bNbw
9vcztdquhoSFo/JkzZ3T06FG53W57TH19fdCYtp8vNKZte3uio6MVHR39zQ8MAAB0GiG/k9MW
OAcPHTqf//hH9enTJ2i71+tVY20jKisr7XUbN25Ua2urkpOT7TfLZWVqaWmxx5SULGjQoEHq1
auXPaa0tDRo3yU1JfJ6vaE+JAAA0AldcuScOHFCVVVVqqqqkiTV1taqqqKdXV1amlp0YMPpq
idO3dqxYoVOnv2rHw+n3w+n06fPi1JGjJkiMaPH68ZM2Zo+/bt2rJli7KysjRlyhR5PB5J0ts
```


pUxUVFaWMjAxVV1dr1apVWrRokbKzs+15PP744youLtbChQt14MABzZs3Tzt371RWV1YITgsA
AOjsLvkr5Js2bdLdd999zvvp06dr3rx5SkxMbPd177//vu666y5JXzwMMCsR++8844iIyOV1
pamxYsXq0ePHvb4PXv2KDMzUzt27FDfvn312GOpae7cuUH7XL16tZ555h19/PHHummm1RQUK
AJEyZc9LHwFfJgfIUcANAZXOzv72/1nJzOjsgJRuQAADqDK+Y5OQAAAF5AAAACMROQAAwEh
EDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASkQMA
AIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjE
TkAAMBIRA4AADASkQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAA
AwEpEDAACMROQAAAAjETkAAMBIRA4AADASkQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjET
kAAAAI1ly5JSVlem+++6Tx+NRRESElq5dG7Tdsizl5eWpX79+io2NVUpKig4ePBg05ujRo0pP
T5fD4VBcXJwyMjJ04sSJoDF79uzRnXfeqZiYGCUKJKigoOCcuaxeVqDBw9WTEyMhg0bpj/84
Q+XejgAAMBQlxw5TU1NGj58uJYsWdLu9oKCAilevFiFhYWqqKhQ9+7dlZqaqlOntt1j0tPTVV
ldrZKSEqlbt05lZWwAOXOmvT0QCGjcuHEaOHCgKisrtWDBAs2bN0/Lli2zx2zduUPPfSQMjI
ytHv3bk2aNEmtJk3Svn37LvWQAACAgSIsy7K+8YsjIrRmzRpNmjRJ0hd3cTwej5544gk9+eST
kiS/3y+Xy6WioiJNmTJF+/fvV1JSknbs2KFRo0ZJkoqLizVhwgQdPnxYHo9HS5culdNPPy2fz
6eoqChJUk5OjtauXasDBw5IkiZPnqympiatW7fOns/o0aM1YsQIFRYWXtT8A4GAnE6n/H6/HA
7HNz0N7bouZ31I93c5fDx/YrinAADABV3s7++QfiantrZWpP9PKSkp9jqn06nk5GSV15dLksr
LyxUXF2chJiSlpKQOmJJSFRUV9pgxY8bYgSNJqampqmp0bFjx+wxX36ftjFt79Oe5uZmBQKB
oAUAAGjppJHj8/kkSS6XK2i9y+Wyt/18PsXHxwdt79q1q3r37h00pr19fPk9zjemBxt78vPz5
XQ67SUhIEFSDxEAHQSV9W3q3Jzc+X3++310KFD4Z4SAADoICGNHLfblUmqr68PW19fX29vc7
vdamhoCNP+5swZHT16NGhMe/v48nucb0zb9vZER0fL4XAELQAawEwhjZzExES53W6Vlpba6wK
BgCoqKuTleiVJXq9XjY2NqqystMds3LhRra2tSk5OtseUlZWppaXFHlNSUqJBgapV69e9pgv
v0/bmLb3AQAav7dLjpwTJ06oqqpKVVVVkr74sHFVvZXq6uoUERghWbNm6cUXX9Tbb7+tvXv3a
tq0afJ4PPY3sIYMGaLx48drxowZ2r59u7Zs2aKsrCxnMtJFH09HkjR16lRFRUUpIyND1dXVWr
VqlRYtWqTs7Gx7Ho8//riKi4ulcOFCHThwQPPmzdPOnTuVlZX17c8KAADo9Lpe6gt27typu++
+2/65LTymT5+uoqiZzkzR01NTZo5c6YaGxt1xx13qLi4WDExMfZrVqxYoaysLI0d01aRkZFK
S0vT4sWL7e1Op1MbNmXQZmamRo4cqb59+yovLy/oWTrf/e53tXLlSj3zzDP66U9/qptuuklr1
67V0KFDv9GJAAAZv1Wz8np7HhOTjCekwMA6AzC8pwcAACAKwWRAwAAjETkAAAAIx5AADASE
QOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASkQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwA
AjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASkQMAAIx5AAAACMR
OQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AA
DASkQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMFP
LIOXv2rJ5991klJiYqNjZWN9xwg372s5/Jsix7jGVZysvLU79+/RQbG6uULBQdPHgwaD9Hjx5
Venq6HA6H4uLilJGRoRMnTgSN2bNnj+68807FxmQoISFBBQUFoT4cAADQSYU8cn75y19q6dKl
evXV7V//3798pe/VEFBgV555RV7TEFBgRYvXqzCwkJVVFSoe/fuSk1N1alTp+wx6enpq6uV
klJidatW6eysjLNNdNt3h4IBDRu3DgNHDhQlZWVWrBggebNm6dly5aF+pAAAEAnFGF9+RZLCN
x7771yuVz6zW9+Y69LS0tTbGysfve738myLhK8Hj3xxBN68sknJU1+v18ul0tFRUwAMmWK9u/
fr6SkJO3YsUOjRo2SJBUXF2vChAk6fPiwPB6Pli5dqgefflo+n09RUVGSpJychK1du1YHDhy4
qLkGAgE5nU75/X45HI5QngZdl7M+pPu7HD6ePzHcUwAA4Iiu9vd3yO/kfPe731Vpaan+/Oc/S
5L+53/+R3/60590zz33SJJqa2vl8/mUkpJiv8bpdCo5OVn15eWSpPLycsXFxdmBI0kpKSmKjI
xURUWFPWbMmDF24EhSamqqampqdOzYsXbn1tzcREAgELQAAAazdQ31DnNychQIBDR48GB16dJ
FZ8+elc9//nOlP6dLknw+nyTJ5XIFvc7lctnbfd6f4uPjgyfatat69+4dNCYxMfGcfBrt69Wr
1zlzy8/P1/PPPx+CowQAaFe6kN/JeeONN7RixQqtXLlSu3bt0vLly/Vv//ZvWr58eajf6pLl5
ubK7/fby6FDh8I9JQAA0EFCfifnqaeeUk5OjqZMmSJJGjZsmD755BP15+dr+vTpcrvdkqT6+n
r169fPfl19fb1GjBghSXX73WpoaAja75kzZ3T06FH79W63W/X19UFj2n5uG/NV0dHRio60/vY
HCQAArnghv5Nz8uRJRUYG77ZLly5qbW2VJCUMJsrtdu0tNTEHggEVFFRIa/XK0nyer1qbGxU
ZWW1PWbjxolqbW1VcnKyPaasrEwtLS32mJKSEg0aNKjdP1UBAICrS8gj57777tPPf/5zrv+/X
h9//LHWrfmj1156Sd//vclSREREZo1a5ZefPFFvf3229q7d6+mTZsmj8ejSZMmSZKGBmi8e
PHa8aMGdq+fbu2bNmirKwsTZkyRR6PR5I0depURUVFKSMjQ9XV1Vq1apUWLVqk70zsUB8SAAD
ohEL+56pXXnlFzz77rH7yk5+ooaFBHo9H//Iv/6K8vDx7zJw5c9TU1KSZM2eqsbFRd9xxh4qL
ixUTE2OPWbFihbKysjR27FhFRkYqLS1Nixcvtrc7nU5t2LBBmZmZGjlypPr27au8vLygZ+kAA
ICrV8ifk9OZ8JycYDwnBwDQGYTtOTkAAABXaiIHAAAYicgBAABGInIAAICrIBwAAGAkIgcAAB
iJyAEAAEYicgAAGJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABgJCIHAAAYicgBAABGInI
AAICrIBwAAGAkIgcAABiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABg
JCIHAAAYicgBAABGInIAAICrIBwAAGAkIgcAABiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGInIA
QAARiJyAACAkYgcAABgJCIHAAAYicgBAABGInIAAICrIBwAAGCkDomc//u//9MPfvAD9enTR7
GxsRo2bJh27txpb7csS315eerXr59iY2OVkpKigwcPBu3j6NGjSk9P18PhUFxcnDiYmNtixIm
gMXv27NGdd96pmJgYJSQkqKCgoCMOBwAAeIhj5xjx47p9ttvV7du3ftuu+/qgw8+0MKFC9Wr
Vy97TEFBgRYvXqzCwkJVVFSoe/fuSk1N1alTp+wx6enpq6uVklJidatW6eysjLNNdNt3h4IB

DRu3DgNHDhQlZWVWrBggebNm6dly5aF+pAAAEAnFGFZlhXKHebk5GjLli367//+73a3W5Ylj8
ejJ554Qk8++aQkye/3y+VyqaiosFOMTNH+/fuVlJSkHTt2aNSoUZKk4uJiTzgwQYcPH5bH49H
SpUv19NNPy+fzKSoqyn7vtWvX6sCBAXc110AgIKfTKb/fL4fDEYKj//+uylkf0vldDh/Pnxju
KQAAcEEX+/s75Hdy3n77bY0aNUr/+I//qPj4eH3nO9/Rr3/9a3t7bW2tfd6fU1JS7HVOp1PJy
ckqLy+XJjWxlysuLs4OHElKSULRZGSkKioq7DFjxoyxA0eSULNTVVNT02PHjoX6sAAAQCcT8s
j53//9Xy1dulQ33XST3nvPT366KP613/9Vy1fvlyS5PP5JEkulyvodS6Xy97m8/kUHx8ftL1
r167q3bt30Jj29vH19/iq5uZmBQKBoAUAAJipa6h32NraqLGjRukXv/iFJOk73/mO9u3bp8LC
Qk2fPj3Ub3dJ8vPz9fzzz4d1DgAA4PII+Z2cfv36KSkpKWjdcCFDVfDXJ0lyu92SpPr6+qAx9
fX19ja3262Ghoag7WfOnNHRo0eDxrS3jy+/x1f15ubK7/fby6FDh77JIQIAgE4g5JFz++23q6
amJmjdN//8Zw0cOFCSlJiYKLfbrdLSUnt7IBBQRUWFvF6vJMnr9aqxsvGVlZX2mi0bN6q1tVX
Jycn2mLKyMrW0tNhjSkpKNGjQoKBvcn1ZdHS0HA5H0AIAAMwU8siZPXu2tm3bpl/84hf68MMP
tXLlSilbtKyZmZmSpIiICM2aNUSvvvii3n77be3dulftPk2Tx+PRpEmTJH1x52f8+PGaMWOgt
m/frilbtigrK0tTpkyRx+ORJE2d0lVRUVHKyMhQdXWlVq1apUWLFik7OzvUhwQAADqhkH8m59
Zbb9WanWuUm5urF154QYmJifrVr3619PR0e8ycOXPUlNSkmTNnqrGxUXfccYeKi4sVEXNjj1m
xYoWysrI0duxYRUZGKi0tTysXL7a3O51ObdiwQZmZmRo5cqT69u2rvLy8oGfpAACAqlfIn5PT
mfCcnGA8JwcA0BmE7Tk5AAAAVwIiBwAAGInIAQAARiJyAACAKYgcAABgJCIHAAAYicgBAABGI
nIAAICRiBwAAGAKIgcAABiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGInIAQAARiJyAACAKYgcAA
BgJCIHAAAYicgBAABGInIAAICRiBwAAGAKIgcAABiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGIn
IAQAARiJyAACAKYgcAABgJCIHAAAYicgBAABGInIAAICRiBwAAGAKIgcAABiJyAEAAEYicgAA
gJGIHAAAYCQiBwAAGInIAQAARiJyAACAKYgcAABgJCIHAAAYqcMjZ/78+YqIiNCsWbPsdadOn
VJmZqb69Omjhj16KC0tTfX19UGvq6ur08SJE3XNNdcoPj5eTz311M6cORM0ZtOmTbr111sUHR
2tG2+8UUVFRR19OAAAoJPo0MjZsWOH/uM//km333xz0PrZs2frnXfe0erVq7V582YdOXJEDzz
wgL397Nmzmjhxok6fPq2tW7dq+fLlKioqU15enj2mtrZWEyd01N13362qqirNmjVLP/7xj/Xe
e+915CEBAIBOosMi58SJE0pPT9evf/1r9erVy17v9/v1m9/8Ri+99JK+973vaeTIkfrtb3+rr
Vu3atu2bZKkDRs26IMPpTdVfvc7jRgxQvfcc49+9rOfacmSJTp9+rQkqbCwUImJiVq4cKGGDB
mirKwsPfjgg3r55Zc76pAAAEAn0mGRk5mZqYkTJyolJSVofWVlpVpaWoLWDx48WAMGDFB5ebk
kqby8XMOGDZPL5bLHpKamKhAIqLq62h7z1X2npqba+wAAAFe3rh2x09dff127du3Sjh07ztnm
8/kUFRWluLi4oPUul0s+n88e8+XAadvetu3rxgQCAX3++eeKjY09572bm5vV3Nxs/xwIBC794
AAAQKcQ8js5hw4d0uOPP64VK1YoJiYm1Lv/VvLz8+V0Ou0lISEh3FMCAAAAdJOSRU11ZqYaGBt
lyyy3q2rWrunbts2bN2vx4sXq2rWrXC6XTp8+rcbGxqDX1dfXy+12S5Lcbvc537Zq+/lCYxw
OR7t3cSQpNzdXfr/fXg4d0hSKQwYAAfegkef02LFjtXfvXlVVVdnLqFGjlJ6ebv+7W7duKi0t
tV9TU10juro6eb1esZLX69XevXv0NBgjykpKZHD4VBSUpI95sv7aBvTto/2REdHy+FwBC0AA
MBMif9MTs+ePTV06NCgdd27d1efPn3s9RkZGcrOzlbv3r3lcDj02GOPYevlavTo0ZKkcePGKS
kpST/84Q9VUFAGn8+nZ555RpmZmYqOjpYkPfLIi3r11Vc1Z84cPfzww9q4caPeeOMNrV+/PtS
HBAAAQEO+eDxhbz88suKjIxUWlqampublZqaqn//93+3t3fp0kXr1q3To48+Kq/Xq+7du2v6
90164YUX7DGJiYlav369Zs+erUWLFq1//567bXXlJqaGo5DagAAV5gIy7KscE8iXAKBgJxOp
/x+f8j/dHVDTue7o/Tx/InhngIAABd0sb+/+W9XAQAAXE5AADASEQOAAAWEpEDAACMROQAAA
AJETKAAMBIRA4AADASKQMAAIxE5AAAACMROQAAWEhEDgAAMBKRAwAAJETKAAAAIXE5AADASEQ
OAAAWEpEDAACMROQAAAAJETKAAMBIRA4AADASKQMAAIxE5AAAACMROQAAWEhEDgAAMBKRAwAA
JETKAAAAIXE5AADASEQOAAAWEpEDAACMROQAAAAJETKAAMBIRA4AADASKQMAAIxE5AAAACMRO
QAAWEhEDgAAMBKRAwAAJETKAAAAIXE5AADASEQOAAAWEpEDAACMROQAAAAJETKAAMBIIY+c/P
x83XrrrerZs6fi4+MladIkldTUBI05deqUMjMzladPH/Xo0UNpaWmqR68PGLNXV6eJEYfqmmu
uUXx8vJ566imdoXMMaMymTzt0yy23Kdo6WjfeeKOKiopCfTgAAKCTCnnkbN68WzmZmdq2bZtK
SkrU0tKicePGqampyR4ze/ZsvfPOOlq9erU2b96sI0e06IEHHrC3nz17VhMnTtTp06eldetWL
V++XEVFRcrLy7PH1NbWauLEibr77rtVVVWlWbNm6cc//rHee++9UB8SAADohCIsy7I68g0+++
wzxcfHa/PmzRozZoz8fr+uvfZarVy5Ug8++KAK6cCBAXoyZiJky8s1evRovfvuu7r33nt15Mg
RuVwuSVJhYaHmzp2rzz77TFFRUZo7d67Wr1+vffv22e81ZcoUNTY2qri4+KLmFggE5HQ65ff7
5XA4Qnrcl+WsD+n+LoeP508M9xQAALigi/393eGfyfH7/ZKk3r17S5IqKyvV0tKilJQUE8zgw
YM1YMAAlZeXS5LKy8s1bNgwO3AkKTU1VYFAQNxV1faYL++jbUzbPtrT3NysQCAQtAAAADN1aO
S0trZqlqxZuv322zV06FBJks/nU1RUlOLi4oLGulwu+Xw+e8yXA6dte9u2rxsTCAT0+eeftzu
f/Px8OZlOe0lISPjWxwgAAK5MHRo5mZmZ2rdvn15//fWOfJuLlpubK7/fby+HDh0K95QAAEAH
6dpR087KytK6detUVlam/v372+vdbrdOnz6txsbGoLs59fXlcrvd9pjt27ch7a/t21dfHvPvb
2TV19fL4XAonja23TlFR0crOjr6Wx8bAAC48oX8To5lWcrKytKaNWu0ceNGJSYmBm0fOXKkun
XrptLSUntdTU2N6urq5PV6JUler1d79+5VQ0ODPaakpEQOh0NJSUn2mC/vo21M2z4AAMDVLer
3cjIzM7Vy5Uq99dZb6tmzp/0ZGqfTqdjYWDmdTmVkZCg7Olu9e/eWw+HQY489Jq/Xq9GjR0uS
xo0bp6SkJP3whz9UQUGBfD6fnnnmGWVmZtp3Yh555BG9+uqrmjNnjh5++Gft3LhRb7zxhtav7
3zfagIAAKEX8js5S5culd/v11133aV+/frZy6pVq+wxL7/8su69916lpaVpzJgxcrvdevPNN+
3tXbp00bp169S1Sxd5vV794Ac/OLRp0/TCCy/YYxITE7V+/XqVlJRo+PDhWrhwoV577TWlpqa

G+pAAAEAn1OHPybmS8ZycYDwnBwDQGVwxz8kBAAAIByIHAAAYicgBAABGInIAAICRiBwAAGAk
IgcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGInIAQAARiJyAACAkbgGewK4cvAfFQUAmIQ7O
QAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AAD
ASkQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQ
AAAAjETkAAMBIRA4AADASkQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADA
SJ0+cpYsWaLrrrtOMTEsSk5O1vbt28M9JQAACAXo1JGzatUqZWdn67nnntOuXbs0fPhwpaamq
qGhIdxTAWAAYdapI+ell117SjBkz9KMf/UhJSUkqLCzUNddco//8z/8M99QAAECYdQ33BL6p06
dPq7KyUrm5ufa6yMhIpaSkqLy8vN3XNDc3q7m52f7Z7/dLkgKBQMjn19p8MuT7xLk64v92AIA
rW9v/9luW9bXjOm3k/OUvf9HZs2flcrmc1rtcLh04cKDd1+Tn5+v5558/Z31CQkKHZBEDz/mr
cm8AABAux48fl9PpPO/2Ths530Rubq6ys7Ptn1tbW3X06FH16dNHERER54wPBAJKSEjQoUOH5
HA4LudUr3icm/ZxXtrHeTk/zk37OC/nx7n54g708ePH5ff4vnZcp42cvn37qkuXLqqvrw9aX1
9fL7fb3e5roqOjFR0dHbQuLi7ugu/lcDiu2gvpQjg37e08tI/zcn6cm/ZxXs7vaj83X3cHp02
n/eBxVFSURo4cqdlSUntda2urSkL5fV6wzgzAABwJei0d3IkKts7W90nt9eoUan022236Ve/
+pWampr0ox/9KNxTAWAAYdapI2fy5Mn67LPPLJeXJ5/PpxEjRqi4uPicDyN/U9HR0XruuefO+
RMXODfnw3lph+fl/Dg37e08nB/n5uJFWBf6/hUAAEAn1Gk/kwMAAPBliBwAAGAkIgcAABiJyA
EAAEYicr7GkiVLdN11lykmJkbJycnavn17uKcUVvPmzVNERETQMnjw4HBPKyzKysp03333yeP
xKCLiQmvXrg3ablmW8vLy1K9fP8XGxiolJUUDHx4Mz2Qvowudl3/+538+5xoaP358eCZ7GeXn
5+vWW29Vz549FR8fr0mTJqmmpiZozK1Tp5SZmak+ffqoR48eSkL0+dhpya6mHNz1113nXPdP
PLI12Ga8eWxdOlS3XzzzfYD/7xer9599117+9V6vVwqIuc8Vq1apezsbD333HPatWuXhg8frt
TUVDU0NIR7amH1d3/3d/r000/t5U9/+l04pxQWTU1NGj58uJYsWdLu9oKCAilevFiFhYWqqKh
Q9+7dlZqaqlOnTl3mmV5eFzovkjR+/Piga+j3v//9ZzxheGzevFmZmZnatm2bSkpK1NLSonHj
xqmpqckeM3v2bL3zzjtavXq1Nm/erCNHjuIBBx4I46wvj4s5N5I0Y8aMoOumoKAGTDO+PPR37
6/58+ersrJSO3fu1Pe+9z3df//9qq6ulnTlXi+XzEK7brvtNiszM9P++ezZs5bH47Hy8/PDOK
vweu6556zhw4eHexpXHENWmjVr7J9bW1stt9ttLViwwF7X2NhoRUDHW7///e/DMMPw+Op5sSz
Lmj59unX//feHZT5XkoaGBkuStXnzZsuyvrg+unXrZq1evdoes3//fkuSVV5eHq5phsVXz41l
Wdbf//3fW48//nj4JnWF6NWrl/Xaa69xvVwC7uS04/Tp06qsrFRKSoq9LjIyUiKPKSovLw/jz
MLv4MGD8ng8uv7665Wenq66urpwT+mKU1tbK5/Pf3T9OJ1OJScnX/XXjyRt2rRJ8fHxGjRokB
599FH99a9/DfeULju/3y9J6t27tySpSrJSLS0tQdfM4MGDNWDAGkvumvnquWmzYsUK9e3bV00
HD1Vubq5OnjwZjumFxdmzZ/X666+rqalJXq+X6+USdOonHneUv/zlLzp79uw5T052uVw6cOBA
mGYVfsnJySoqKtKgQYP06aef6vnnn9edd96pffv2qWfPnuGe3hXD5/NJUrvXT9u2q9X48ePlw
AMPKDExUR999JF++tOf6p577lF5ebm6dOkS7uldFq2trZo1a5Zuv/12DR06VNIX10xUVNQ5/8
Hgq+2aae/cSNLUqVM1cOBAeTwe7dmzR3PnzlVNTY3efPPNMM624+3dulderlenTp1Sjx49tGb
NGiUlJamqqorr5SIRObho99xzj/3vm2++WcnJyRo4cKDeeOMNZWRkhHFm6CymTJli/3vYsGG6
+eabdcMNN2jTpk0aO3ZsGGd2+WRmZmrfrvn1X7efZvs75zs3MmTPtfw8bNkz9+vXT2LFj9dFHH
+mGG2643NO8bAYNGqSqgir5/X7913/9l6ZPn67NmzeHelqdCn+uakfFvn3VpUuXcz6pXl9fL7
fbHaZZXxi4uL0t3/7t/rwww/DPZUrStslwvVzYddff7369u171VxDWVlZWrdund5//33179/
fXu92u3X69Gk1NjYgjb+arpnznZv2JCcnS5Lx10lUVJRuvPFGjRw5Uvn5+Ro+fLgWLVrE9XIJ
iJx2REVFAeTiKsotLbXXtba2qrS0VF6vN4wzu7KcOHFCH330kfr16xfuqVxREHMT5Xa7g66fQ
CCgiooKrp+vOHZ4sP76178afw1ZlqWsrCytWbNGGzduVGJiYtD2kSNHqlu3bkHXTE1Njerq6o
y/Zi50btpTVVUlScZfN1/V2tqq5ubmq/p6uWTh/uTzler111+3oqOjraKiIuuDDz6wZs6cacX
FxVknny/cUwubJ554wtq0aZNVW1trbmdmyxUpJSbH69ulrNTQ0hHtql93x48et3bt3W7t377Yk
WS+99JKle/du65NPPrEsy7Lmz59vxcXFWW+99ZalZ88e6/7777cSExOtz//PMwz71hfd16OH
z9uPfnkk1Z5eblVW1tr/fGPf7RuueUW66abbrJOnToV7ql3qEcffdrYOp3Wpk2brE8//dReTp
48aY955JFhrAEDBlgbN260du7caXm9Xsvr9YZxlpfHhc7Nhx9+aL3wwgvWzp07rdraWuutt96
yrr/+emvMmDFhnnnHysnJsTZv3mzV1tZae/bssXJycqyIiAhrw4YNlmVdvdLpSJyvsYrr7xi
DRgwwIqKirJuu+02a9u2beGeUlhnNjzZ6tevnXUVFWX9zd/8jTV58mTrww8/DPe0wuL999+3J
J2zTJ8+3bKsL75G/uyzzloul8uKjo62xo4da9XU1IR30pfB152XkydPWuPGjbOuvfZaq1u3bt
bAgQOtGTNmXBX/j0N750SS9dvf/tYe8/nnnls/+clPrF69elnXXHON9f3vf9/69NNPwzfpY+R
C56aurs4aM2aM1bt3bys60tq68cYbraeesry+/3hnXgHe/jhh62BAwdaUVFR1rXXXmuNHTvW
DhzLunqvl0sVYVWmdfnuGwEAAFWefCYHAAAYicgBAABGInIAAICRiBwAAGAkIgcAABiJyAEAA
EYicgAAgJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABgpP8HajZpN8eUXS8AAAAASUVORK
5CYII=\n"

```
    },  
    "metadata": {}  
  }  
]  
},  
{
```

```

"cell_type": "code",
"source": [
    "plt.hist(data['living area'])\n",
    "plt.show()"
],
"metadata": {
    "colab": {
        "base_uri": "https://localhost:8080/",
        "height": 430
    },
    "id": "DhVcLwtekY6V",
    "outputId": "de199b35-6d8f-47d7-bcf9-aa42210aeb65"
},
"execution_count": 13,
"outputs": [
    {
        "output_type": "display_data",
        "data": {
            "text/plain": [
                "<Figure size 640x480 with 1 Axes>"
            ],
            "image/png":
iVBORw0KGgoAAAANSUhEUgAAAJ8AAAGdCAYAAAD9kBJPAAAAOXRFWHRTb2Z0d2FyZQBNYXRw
bG90bGliIHZlcnNpb24zLjcuMSwgaHR0cHM6Ly9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIW
XMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiH
AAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACX
BIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bC
giHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliL
m9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwb
G90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG
8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9
hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAAC
XBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/b
CgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGli
Lm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXR
wbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YR
wG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4n
O3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAv
PElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQ
GoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMA
AA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAA
AACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9y
Zy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG
90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG
8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA
9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAA
ACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZ
y/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG9
0bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8
K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA
9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAA
ACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZ
y/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG9
0bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8
K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA
9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAA
ACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZ
y/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG9
0bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8
K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA
9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAA
ACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZ
y/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG9
0bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8
K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA
9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAA
ACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZ
y/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG9
0bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8
K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA
9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAA
ACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZ
y/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8K9tYXRwbG9
0bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3de3R0YRwG8
K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPElEQVR4nO3
de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGoP6dpAAAvPE
lEQVR4nO3de3R0YRwG8K9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIWXMAAA9hAAAPYQGo
P6dpAAAvPElEQVR4n
```

f3w068/Pmm29q4MCBuuuuuxQTE6N+/frppZdectr37t2rQCCgpKQkZ5/H49GgQYNUVFQkSSoq
KlJ0dLQTFcQpKSlJ4eHh2rRpklNz0003OcFHkpKTKlVaWqpvv/32tGOrrq5WMBgM2QAAAE7Wo
PCzZ88ezZ07V5ddddpny8/M1fvx4PftQQ1qwYIEkKRAISJK8Xm/IcV6v12kLBAKKiYkJaY+IiF
CnTp1Cak7Xx4nvcbKcnBx5PB5ni4uLa8jUAACAJRoUfurq6tS/f3899dRT6tevn8aOHasHHnh
A8+bN01fj+8Gys7NVVvX1bPv27WvuIQEAgBaoQeGnW7duSkxMDNnXp08f1ZWVVSZJ8Pp8kqby8
PKSmvLzcafP5fKqoqAhpP3bsmA4cOBBS7o+TnyPk7lcLrnd7pANAADgZA0KP9dff71KS0tD9
n366afq0aOHJCKhIUE+n0+FhYVOezAY1KZNm+T3+yVJfr9flZWVKi4udmpWr16turo6DRo0yK
lZv369amtrnZqCggJdfvnlIXeWAQAANFSDwk9mZqY2btYop556Sp999pkWLlyoF198Uenp6ZK
ksLAWZWRk6Pe//73efPNNbdu2Tffee69iY2N1xx13SPrnmaJbb71VDzzwgDZv3qz3339fEyZM
0IgRIxQbGytJ+tWvfqXIyEiNGTNGO3bs0Ouvv65Zs2YpKyuraWcPAACsE9GQ4muvvVZLly5Vd
na2pk2bpoSEBD333HNKS0tZaiZNmqTDhw9r7Nixqqys1A033KBVqlapTZs2Tslrr72mCRMm6J
Zbb1f4eLhSU1M1e/Zsp93j8ejtt99Wenq6BgwYoC5dumjq1KkhzwICAABojAY95+dCwnN+QvG
cHwDAhaDFPecHAADgQkf4AQAAViH8AAAQxB+AACAVQg/AADAKoQfAABgFcIPAACwCuEHAABY
hfADAACsQvgBAABWIfwAAACrEH4AAIBVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKwS0
dwDuBDlnJLX3EMAAACNjKfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABWIfwAAACrEH4AAI
BVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAsQfgAAgFUIPwAAwCq
EHwAAYBXCDwAAsArhBwAAWIXwAwAArEL4AQAAVmlQ+HniiScUFhYWsvXu3dtpP3r0qNLt09W5
c2elb99eqampKi8vD+mjrKxMKSkspatu2rWJiYjRx4kQdO3YspGbt2rXq37+/XC6XevXqpdzc3
MbPEAAA4AQNPvNzxRVX6Ouvv3a29957z2nLzMzU8uXLtWTJEqlbt0779+/X8OHdnfbjx48rJS
VFNTU12rBhgxYsWKDc3FxNnTrVqdm7d69SU1I0ZMgQLZSUKCMjQ/fff7/y8/PPcqoAAABSRIM
PiIiQz+c7ZX9VVZVeeUUVLVy4UDffffLMkaf78+erTp482btyowYMH6+2339bOnTvlzjvvyOv1
6pprrtGTTz6pyZMn64knnlBkZKTmzZunhIQEPfPMM5KkPn366L333tPMmTOVnJx8ltMFAAC2a
/CZn927dys2NlaXXnqp0tLSVFZWJkkqLi5WbW2tkpKSnNrevXsrPj5eRUVFkqSioiL17dtXXq
/XqU1OTlYwGNSOHTucmhP7qK+p7+NMqqurFQwGQzYAAICTNSj8DBo0SLm5uVqlapXmzp2rvXv
36sYbb9TBgwcVCAQUGRmp6OjokGO8Xq8CgYAkKRAIhASf+vb6tu+qCQaDOnLkyBnHlpOTI4/H
42xxcXENmRoAALBEg/7ba9iwYc6/r7rqKg0aNEg9evTQ4sWLFRUV1eSDa4js7Gx1ZWU5r4PBI
AEIAACc4qxudY+OjtaPfvQjffBZZ/L5fKqpqVfLZWVITX15uXONkM/nO+Xur/rX31fjdru/M2
C5XC653e6QDQAA4GRnFX40HTqk//u//103bt00YMAATW7dWoWfHu57aWmpysrK5Pf7JU1+v1/
btm1TRUWFU1NQUCC3263ExESn5sQ+6mvq+wAAADgbdQo/jz76qNatW6fPP/9cGzZs0M9//nO1
atVKd999tzwej8aMGaOsRcyTWbNGxcXFuu++++T3+zV48GBJ0tChQ5WYmKiRI0fQo48+Un5+v
h5//HGlP6fL5XJJKsaNG6c9e/Zo0qRJ2rVrl+bMmaPFixcrMzOz6WcPAACs06Brfr788kvdf
fd+vff/66uXbvqhhtu0MaNG9W1aldJ0syZMxUeHq7U1FRVV1crOTlZc+bMcY5v1aqVVqxYofH
jx8vv96tdu3YaNWqUpk2b5tQkJCQoLy9PmZmZmjVrlrp3766XX36Z29wBAECTCDPGmOYexLkQ
DAbl8XhUVVXV5Nf/9JyS16T94cw+n57S3EMAAJxH5/Lzux7f7QUAAKxC+AEAAFYh/AAAAsQf
gAAgFUIPwAAwCqEHwAAYBXCDwAAsArhBwAAWIXwAwAArEL4AQAAViH8AAAQxB+AACAVQg/AA
DAKoQfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABWIfwAAACrEH4AAIBVCD8AAMAqhB8AAGA
Vwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAsQfgAAgFUIPwAAwCqEHwAAYBXCDwAAsArh
BwAAWIXwAwAArEL4AQAAViH8AAAQxB+AACAVQg/AADAKoQfAABgFcIPAACwCuEHAABY5azCz
/Tp0xUWFqaMjAxn39GjR5Wenq7OnTurfv2Sk1NVX15echxZWVlSk1JUdu2bRUTE60JEYfq2L
FjITVr165V//795XK51KtXL+Xm5p7NUAEACsDrFjZsmWL/vSnP+mqg64K2Z+Zmanly5dryZI
lWrdunfbv36/hw4c77cePHldKSopqamq0YcMGLVlWQlM5uZo6dapTs3fvXqWkpGjIkCEqKSlR
RkaG7r//fuXn5zd2uAAAAJiAGX4OHTqktLQ0vfTSS+rYsaOzv6qqSq+88oqeffZ3XzzzRowY
IDmz5+vDRs2aOPGjZKkt99+Wzt37tSrr76qa665RsOGDdOTTz6Pf154QTU1NZKkefPmKSEhQc
8884z69OmjCRMm6M4779TMmTOBYMoAAMBmjQo/6enpSk1JUVJSUsj+4uJilDbWhuzv3bu34uP
jVVRUJEkqKipS37595fV6nZrk5GQFg0Ht2LHDqTm57+TkZKeP06murlYwGazZAAAAThbr0AMW
LVqkDz74QFu2bDmlLRAIKDIyUthR0SH7vV6vAoGAU3Ni8Klvr2/7rppgMKgjR44oKirqlPfOy
cnR7373u4ZOBwAAWKZBZ3727dunhx9+Wk+99pratGlzrsbUKNnZ2aqqqnK2ffv2NfeQAABAC9
Sg8FNCXKyKigr1799fERERioiI0Lp16zR79mxFRETI6/WqpqZGLZWViceVl5fL5/NJknw+3yl
3f9W//r4at9t92rM+kuRyueR2u0M2AACakzUo/Nxyyy3atm2bSkpKnG3gwIFKS0tz/t26dWsv
FhY6x5SWlqqsrEx+v1+S5Pf7tW3bNlVUVDglBQUFcrvdSkxMdGp07KO+pr4PAACAxmrQNT8dO
nTQlVdeGbKvXbt26ty5s7N/zJgxysrKUqdOneR2u/Xggw/K7/dr8ODBkqShQ4cqMTFRI0eO1I
wZMxQIBPT4448rPT1dLpdLkjRu3Dg9//zZmjRpkkAPHq3Vqldr8eLFysvLa4o5AwAAizX4guf
vM3PmTIWWhys1NVXV1dVKtk7WnDlznPZWrVppxYoVGj9+vPx+v9qla6dRo0Zp2rRpTklCQoLy
8vKumZmpWbNmQxv37nr55ZeVnJzc1MMFAACWCTPGmOYexLkQDAb18XhUVVXV5Nf/9JzCGajz5
fPpKc09BADAeXQuP7/r8dlEADAKoQfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABWIfwAAA
CrEH4AAIBVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAsQfgAAgFU
IPwAAwCqEHwAAYBXCDwAAsArhBwAAWIXwAwAArEL4AQAAViH8AAAQxB+AACAVQg/AADAKoQf
AABgFcIPAACwCuEHAABYhfADAACsQvgBAABWIfwAAACrEH4AAIBVCD8AAMAqhB8AAGAVwg8AA

LAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAKs0KPzMnTtXV111ldxut9xut/x+v1auXOm0Hz16VO
np6ercubPat2+v1NRULZeXh/RRVlamlJQUtW3bVjExMZo4caKOHTsWUrN27Vr1799fLpdLvXr
1Um5ubuNnCAAACIIGhZ/u3btr+vTpKi4ultatW3XzzTfrZz/7mXbs2CFJyszM1PLly7VkyRkt
W7dO+/fv1/Dhw53jjx8/rpSUFNXU1GjDhg1asGCBcnNzNXXqVKdm7969Sk1J0ZAhQ1RSUqKMj
Azdf//9ys/Pb6IpAwAAm4UZY8zZdNCpUyc9/FTTuvPOO9W1a1ctXLhQd955pyRp165d6tOnj4
qKijR48GctXLlSt99+u/bv3y+v1ytJmjdvnizPnqxvvlGkZGRmjx5svLy8rR9+3bnPUaMGKH
KykqtWrXqB48rGAzK4/GoqqpKbrf7bKZ4ip5T8pq0P5zZ59NTmnsIAIDz6Fx+ftdr9DU/x48f
16JFi3T48GH5/X4VFxertrZWSU1JTk3v3r0VHx+voqIiSVJRuzH69u3rBB9JSk5OVjAYdM4eF
RUVhfRRX1PfBwAAwNmIaOgB27Ztk9/v19GjR9W+fXstXbpUiYmJKikpUWRkpKKjo0PqvV6vAo
GAJcKQCIQEn/r2+rbvqgkGgzpy5IiioqJO067q6mpVV1c7r4PBYEOnBgAALNDgMz+XX365Skp
KtGnTJo0fP16jRo3Szp07z8XYGiQnJ0cej8fZ4uLimntIAACgBWpw+ImMjFSvXr00YMAA5eTk
6Oqrr9asWbPk8/1UUI0jysrKkPry8nL5fD5Jks/nO+Xur/rX31fjdrvPeNZHkrKzs1VVVeVs+
/bta+jUAACABc760T91dXWqrq7WgAED1Lp1axUWFjptpaw1Kisrk9/vlyT5/X5t27ZNFRUVTk
1BQYHcbrCSExOdmhP7qK+p7+NMXC6Xcwt+/QYAAHCyB13zk52drWHDhik+Pl4HDx7UwoULtXb
tWuXn58vj8WjMmDHKyspSp06d5Ha79eCDD8rv92vw4MGSpKFDhyoxMVEjR47UjBkzFAgE9Pjj
jys9PV0ul0uSNG7cOD3//POaNGmSRo8erdWrV2vx4sXKy+MOKwAACPYaFH4qKip077336uuvv
5bH49FVV121/Px8/ed//qckaebMmQoPD1dqaqqqq6uVnJysOXpMOMe3atVKK1as0Pjx4+X3+9
WuXTuNGjVK06Zn2oSEhKUL5enzMxMzZo1S927d9fLL7+s50TkJpoyAACw2Vk/56el4jk/Fwe
e8wMAdmnRz/kBAAC4EBF+AACAQg/AADAKoQfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABW
IfwAAACrEH4AAIBVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAKsQf
gAAgFUIPwAAwCqEHwAAyBXCDwAAAsArhBwAAWIXwAAwAArEL4AQAAViH8AAAAqx+B+AACAQg/AA
DAKoQfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABWIfwAAACrEH4AAIBVCD8AAMAqhB8AAGA
Vwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAKsQfJycnRtddeqw4dOigmJkZ33HGHSktLQ2qOhj2q
9PR0de7cWe3bt1dqaqrKy8tDasrKypSSkqK2bdsqJiZGEyD01LFjx0Jq1q5dq/79+8v1cqlXr
17Kzc1t3AwBAAB00KDws27dOqWnp2vjxo0qKChQbW2thg4dqsOHDzs1mZmZWr58uZYsWaJ169
Zp//79Gj58uNN+/PhxpaSkqKamRhs2bNCCBQUm5urqVOnOjV79+5VSkqKhgwZopKSEmVkJZoj
+++9Xfn5+E0wZAADYLMwYYxp78DfffkOYmBitW7dON910k6qqqtS1a1ctXLhQd955pyRp165d
6tOnj4qKijR48GctXLlSt99+u/bv3y+v1ytJmjdvnizPnqxvvlGkZGRmjx5svLy8rR9+3bnv
UaMGKHkKykqtWrXqB40tGAzK4/GoqqpKbre7sVM8rZ5T8pq0P5zZ59NTmnsIAIDz6Fx+ftc7q2
t+qqqqJEmdOnWSJBUXF6u2t1ZJSU1OTe/evRUfH6+ioiJJU1FRkfr27esEH01KtK5WMBjUjh0
7nJoT+6ivqe/jdKqrqxUMBkM2AACakzU6/NTV1SkjIOPXX3+9rrzySk1SIBBQZGSkoq0jQ2q9
Xq8CgYBTc2LwqW+vb/uummAwqCNHjpx2PDk5OfJ4PM4WFxfX2KkBAICLWKPDT3p6urZv365Fi
xY15XgaLTs7W1VVVc62b9++5h4SAABogSIac9CECRO0YsUKrV+/Xt27d3f2+3w+1dTuqLKyMu
TsT3l5uXw+n1OzefPmkP7q7wY7sebK08TKy8vldrsVFRV12jG5XC65XK7GTacAAFIkQWd+jDG
aMGGLi5dqtWrVyshISGkfcCAAWrdurUKCwudfaWlpSork5Pf75ck+f1+bdu2TRUVFU5NQUGB
3G63EHMTnZoT+6ivqe8DAACgsRp05ic9PV0LFy7UX//6V3Xo0MG5RsFj8SgqKkoej0djxoxRV
laWOnXqJLfbRQcfffB+v1+DBw+WJA0d0lSjiYkaOXKkZsyYoUAgomcfff1zp6enOmZtx48bp+e
ef16RJkzR69GitXrlaixcvV14ed1kBAICz06AzP3Pnz1VVVZX+4z/+Q926dXO2119/3amZOXO
mbr/9dqWmpuqmm26Sz+fTG2+84bs3atVKK1asUKtWreT3+3XPPffo3nvvlbRp05yahIQE5eXl
qaCgQFdfbWeeeYZvfzyy0pOTm6CKQMAAJud1XN+WjKe83Nx4Dk/AGCXFv+cHwAAgAsN4QcAA
FiF8AMAAKxC+AEAAFYh/AAAAKsQfEMOgfPlQry4nIu0AaB148wPAACwCuEHAABYhfADAACsQvgBAABWIf
wAAACrEH4AAIBVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAKsQfgA
AgFUIPwAAwCqEHwAAyBXCDwAAAsArhBwAAWIXwAAwAArEL4AQAAViH8AAAAqx+B+AACAQg/AA
DAKoQfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABWIfwAAACrEH4AAIBVCD8AAMAqhB8AAGAVw
g8AALAK4QcAAFiF8AMAAKzS4PCzfv16/eQnP1FsbKzCwsK0bNmykHZjjKZOnapu3bopKipKSU
1J2r17d0jNgQMHLJawJrJfbrejoaIOZM0aHDh0Kqfn444914403qk2bNoqLi9OMGTMapjSAAIC
TNDj8HD58WFdfbfVeeOGF07bPmDFDs2fP1rx587Rp0ya1a9dOycnJOnr0qFOTlpamHTt2qKCg
QCTWrND69es1duxYpz0YDgro0KHq0aOHiouL9fTTT+uJJ57Qiy++2IgpAgAA/EuYMcY0+uCWm
C1dulR33HGHPH+e9YmNjdUjjzyiRx99VJJUVVUlr9er3NxcjRgxQp988okSExO1ZcsWDRw4UJ
K0atUq3Xbbbfryyy8VGxuruXPn6rHHHLmGEFBkZKQkacqUKVq2bJl27dr1g8YWDAb18XhUVVU
lt9vd2CmeVs8peU3aHy4un09Pae4hAMAF61x+ftdr0mt+9u7dq0AgoKSKJGefx+ProEGDVFRU
JEkqKipSdHS0E3wkKskpSeHh4dq0aZNTc9NNNznBR5KS5NVWlqqb7/99rTvXV1drWAWGLIBA
ACcrEndTyAQkCR5vd6Q/V6v12kLBAKKiYkJaY+IiFCnTp1Cak7Xx4nvcBkcnBx5PB5ni4uLO/
sJAQCAi85Fc7dXdna2qqqqnG3fvn3NPSQAANACNwn48f18kqTy8vKQ/ex15U6bz+dTRUVFSPu
xY8d04MCBkJrT9XHie5zM5XLJ7XaHbAAAACdr0vCTkJAgn8+nwsJCZ18wGNSmTzvk9/s1SX6/
X5WV1SouLnZqVq9erbq6Og0aNMipWb9+vWpra52agoICXX755erYsWNtDhKAAFIImweHn0KFdk
ikpUULJiaR/XuRcULKisrIyhYWFkSMjQ7//e/15ptvatu2bbr33nsVGxvr3BHWP08f3XrrrX
rggQe0efNmVF/+5owYYJGjBih2NhYsDkvfVurRUZGasyYMDqxY4def/11zZo1S11ZWU02cQA

AYKeIhh6wdetWDRkyxHldH0hGjRq13NxcTZo0SYcPH9bYsWNVWVmpG264QatWrVKbNm2cY157
7TVNmDBBt9xyi8LDw5WamqrZs2c77R6PR2+//bbS09M1YMAAdenSRVOnTg15FhAAAEbjnNVzf
loynvOD5sJzfGcG8S645/wAAAC0dIQfAABgFcIPAACwCuEHAABYhfADAACsQvgBAABWI fwAAA
CrEH4AAIBVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKxC+AEAAFYh/AAAAKsQfgAAgFU
IPwAAwCqEHwAAYBXCDwAAsArhBwAAWIXwAwAArEL4AQAAViH8AAAAqxB+AAcAVQg/AADAKoQf
AABgFcIPAACwCuEHAABYhfADAACsEtHcAwAuNj2n5DX3EBrs8+kpzT0EADhvOPMDAACsQvgBA
ABWI fwAAACrEH4AAIBVCD8AAMAqhB8AAGAVwg8AALAK4QcAAFiF8AMAAKzSosPPCy+8oJ49e6
pNmzYaNGiQNm/e3NxDagAAF7gW+/UWr7/+urKysjRv3jwNGjRIzz33nJKTk1VaWqqYmJjmHh5
wUeErOQDYpMWe+Xn22Wf1wAMP6L777lNiYqLmzZuntm3b6s9//nNzDw0AAFzAWuSZn5qaGhUX
Fys709vZFx4erqSkJBUVFZ32mOrqalVXVzuvq6qqJEnBYLDJx1dX/Y8m7xNAw5yL320Aza/+d
9sYc87eo0WGN7/97W86fvY4vF5vyH6v16tdu3ad9picnBz97ne/O2V/XFzcORkjgOblea65Rw
DgXDp48KA8Hs856btFhp/GyM7OVlZWlV06rq50Bw4cUOfOnRUWFnbG44LBoOLi4rRv3z653e7
zMdQWjfu4FWsSivU4FWsSivU4FWsS6rvWwxijgwcPKjY29py9f4sMP126dFGrVq1UX14esr+8
vFw+n++0x7hcLrlcrpB90dHRP/g93W43P5AnYD10xZqEYj10xZqEYj10xZqEOTN6nKszPvVa5
AXPkZGRGjBggAoLC519dXV1Kiws1n/vb8aRAQCAC12LPPmjSVlZWRo1apQGDhyo6667Ts8995
wOHZ6s++67r7mHBgAALmAtNvz88pe/1DfffKOpU6cqeAJommuu0apVq065CPpsuVwu/fa3vz3
lv8xsxXqciJjUJxXqciJjUJxXqciJjUJldzrEWB05b1kAAAAALUyLvOYHAADgXCH8AAAAqxB+AACA
VQg/AADAKlaHnxdeeEE9e/ZUmzZtNGjQIG3evLm5h9QkcnJyd02116pDhw6KiYnRHXfcodLS0
pCao0ePKj09XZ07d1b79u2Vmpp6yKmlY8rKlJKSorZt2yomJkYTJ07UsWPHQmrWr12r/v37y+
VyqVevXsrNzT3X0ztr06dPV1hYmDiYmPx9Nq7HV199pXvuuUedO3dWVFSU+vbtq61btzrtxhh
NnTpV3bp1U1RULJKSkrr79+6QPg4cOKC0tDS53W5FR0drzJgxOnToUEjNxx9/rBtvvFFt2rRR
XFycZsyYcV7mlxDHjx/Xb37zGyUkJCgqKkr/9m//pieffDLku4Uu9vVYv369fvKTnyg2NlZhY
WFatmxZSPv5nP+SJUvUu3dvtWnTRn379tVbb73V5PP9Pt+1HrW1tZo8ebL69u2rdu3aKTY2Vv
fee6/2798f0sffTB7S9/+MnGjcuHEKCwvTc889F7K/xayJsdSiRYtMZGSK+fOf/2x27NhhHnj
gARMdHW3Ky8ube2hnLTk52cyfP99s377d1JSUmNtuu83Ex8ebQ4cO0TXjxo0zcXFxprCw0Gzd
utUMHjzY/PjHP3bajx07Zq688kqTlJrkPvzWQ/PWW2+ZLl26mOzsbKdmz549pm3btiYrK8vs3
LnT/PGPfzStWrUyqlatOq/zBYjNmzebnj17mquuuso8/PDDzn7b1uPAgQOmR48e5te//rXZtG
mT2bNnj8nPzzefffaZUzN9+nTj8XjMsmXLzEccffWR++tOfmoSEBHPkyBgn5tZbbzVXX3212bh
xo3n33Xdnr169zn133+20V1VVGa/Xa9LS0sz27dvNX/7yFxmVFWX+9Kc/ndf5fp8//OEPpnPn
zmbFihVm7969ZsmSJaz9+/ZmlqxZTs3Fvh5vvfWWeeyxx8wbb7xhJjmlS5eGtJ+v+b//vumV
atWZsaMGWbnzp3m8ccfN61btzbbtm0752twou9aj8rKSpOUlGRef/11s2vXL1NUVGSuu+46M2
DAgJA+Lqb1MOB7f0bqvFHGG+bqq682sbGxZubMmSFtLWVNrA0/1113nU1PT3deHz9+3MTGxppq
cnJxmHNW5UVFRYSSZdevWGWP++YvbunVrs2TJEqfmk08+MZJMUVRMeafP+Th4eEmEAg4NXPn
zjVut9tUV1cbY4yZNGmSueKKK0Le65e//KVJTK4+11Nq1IMHD5rLLrvMFBQUmH//9393wo+N6
zF58mRzww03nLG9rq70+Hw+8/TTTzv7KisrjcvlMn/5y1+MMcbs3LnTSDJbtmxxalauXGnCws
LMV199ZYwxZs6cOazjx47OGtW/9+WXX97UuzorKSkpZvTo0SH7hg8fbtLS0owx9q3HyR9s53P
+v/jFL0xKskrIeAYNGmT+67/+q0nn2BDf9UFfb/PmzUaS+eKLL4wxF/d6GHPmNfnYYY/NJZdc
YrZv32569OgRen5a0ppY+d9eNTU1Ki4uVlJSkrMvPDxcSULJKioqasaRnRtVVVWSpE6dOkmSi
ouLVVtbGzL/3r17Kz4+3pl/UVGR+vbtG/JQyeTkZAWDQe3YscOpObGP+pqWuobp6elKSUk5Zc
w2rsebb76pgQMH6q677lJMTIz69eunl156yWnfu3evAoFAyHw8Ho8GDRoUsibR0dEaOHCgU5O
UlKTW8HBt2rTJqbnpppsUGRnplCQnJ6u0tFTffvvtuZ7mD/bjH/9YhYWF+vTTTyVJH330kd57
7z0NGzZMkn3rcbLzOf8L6ffoRFVVVQoLC30+U9LG9airq9PIkSM1ceJEXXHFFae0t6Q1sTL8/
Olvf9Px48dPeVq01+tVIBBoplGdG3VldcrIyND111+vK6+8UpIUCAQUGR15yhe/njj/QCBw2v
Wpb/uummAwqCNHjpyL6TTaokWL9MEHHygnJ+eUNhvXY8+ePZo7d64uu+wy5efna/z48XrooYe
0YMECSf+a03f9jgQCACXEXISOR0REqFOnTglat5ZgypQpGjFihHr37q3WrVurX79+ysjIUfpa
miT71uNk53P+Z6pppyetz90hRTZ48WXfffbfzJZ02rsf//M//KCIiQg899NBp21vSmrTYr7dA0
0hPT9f27dv13nvvnfdQms2+ffv08MMPq6CgQG3atGnu4bQIdXV1GjhwoJ566ilJU9+3bR9+3
bNmzdPo0aNaubRnX+LFy/Wa6+9poULF+qKK65QSUMJMjIyFBSba+V64Ierra3VL37xCxljNHf
u3OYeTrMpLi7WrFmz9MEHHygsLKy5h/O9rDzz06VLF7Vq1eqUu3nKy8vl8/maaVRNb8KECVqx
YoXWrFmj7t270/t9Pp9qampUWVkJZUn/i/H0+32nXp77tu2rcbreioqKaejqNVlxcrlQKcVxv3
18RERGKiIjQunXrNHv2bEVERMjr9Vq1HpLurVs3JSYmhuzr06ePysrKJP1rTt/10+Lz+VRRUR
HSfuzYMR04cKBB69YSTJw40Tn707dvX40cOVKZmZnOmULbluNk53P+Z6ppietTH3y++OILFRQ
UOGd9JPvW491331VFRYXi4+Odv7NffPGFHnnkEfXs2VNSyloTK8NPZGSkBgwYoMLCQmdfXV2d
CgsL5ff7m3FkTcMYowkTJmjp0qVavXq1EhISQtoHDBig1qlbh8y/tLRUZWVlZvz9fr+2bdsW8
oNa/8td/6Hp9/tD+qivaWlreMstt2jbtm0qKSlxtOEDByotLc35t03rIUnXX3/9KY8/+PTTT9
WjRw9JUkJCgnw+X8h8gsGgNm3aFLIm1ZWVKi4udmpWr16turo6DRo0yKlZv369amtrnZqCggJ
dfvn16tix4zmbX0P94x//UHH46J/DVqlaqa6uTpJ963Gy8zn/C+X3qD747N69W++88446d+4c
0m7beowcOVIff//xyN/Z2NhyTZw4Ufn5+ZJa2Jr84EujLzKLfi0yLpflL50bmmp07d5qxY8ea6

```
OjokLt5LlTjx483Ho/HrF271nz99df09o9//MOpGTdunImPjzerV682W7duNX6/3/j9fqe9/t
buoUOHmpKSErNq1SrTtWvX097aPXHiRPPJJ5+YF154ocXe2n2yE+/2Msa+9di8ebOJiIgwF/j
DH8zu3bvNa6+9Ztq2bWteffVVP2b69OkmOjra/PWvfzUff/yx+dnPfnbaW5v79etnNm3aZN57
7z1z2WWXhdy2WllZabxerxk5cqTZvn27WbRokWnbtm2LuLX7RKNGjTKXXHKJc6v7G2+8Ybp06
WImTZrklFzs63Hw4EHZ4Ycfmg8//NBIMs8++6z58MMPnbuXztf833//fRMREWH+93//13zyyS
fmt7/9bbPc2vld61FTU2N++tOfmu7du5uSkpKQv7Mn3qV0Ma2HMD//M3KyK+/2MqblrIm14cc
YY/74xz+a+Ph4ExkZaa677jqzcePG5h5Sk5B02m3+/PlOzZEjR8x//d/m44d05q2bduan//8
5+brr7806efzzz83w4YNM1FRUaZLly7mkUceMbWltSE1a9asMddcc42JjIw01156ach7tGQnh
x8b12P58uXmyiuvNC6Xy/Tu3du8+OKLIe1ldXXmN7/5jff6vcblcplbbrnFlJaWhtT8/e9/N3
fffbdp3769cbvd5r777jMHDx4Mqfnoo4/MDTfcYFwul7nkkkvM9OnTz/ncGioYDjQH37YxMf
HmzZt2phLL73UPPbYYyEfZBf7eqzZs+a0fzdGjRpljDm/81+8eLH50Y9+ZCIjI80VV1xh8vLy
ztm8z+S7lmPv3rln/Du7Zs0ap4+LaT2M+f6fkZOdLvY01DUJM+aER5gCAABc5Ky85gcAANiL8
AMAAKxC+AEAAFYh/AAAAKsQfgAAGFUIPwAAwCqEHwAAyBXCDwAAAsArhBwAAWIXwAAwAArEL4AQ
AAViH8AAAAq/w/4nZivzD25b0AAAAASUVORK5CYII=\n"
```

```
},
  "metadata": {}
}
],
},
{
  "cell_type": "code",
  "source": [
    "plt.hist(data['Price'])\n",
    "plt.show()"
  ],
  "metadata": {
    "colab": {
      "base_uri": "https://localhost:8080/",
      "height": 448
    },
    "id": "K1xbe0qrkigF",
    "outputId": "03cbf84f-1e38-4fcf-c9ec-be3ee96c0e50"
  },
  "execution_count": 14,
  "outputs": [
    {
      "output_type": "display_data",
      "data": {
        "text/plain": [
          "<Figure size 640x480 with 1 Axes>"
        ],
        "image/png":
          "iVBORw0KGgoAAAANSUhEUgAAAJkAAAGvCAYAAAC5PMSuAAAAOXRFWHRTb2Z0d2FyZQBNYXRw
          bG90bGliIHZlcnNpb24zLjcuMSwgaHR0cHM6Ly9tYXRwbG90bGliLm9yZy/bCgiHAAAACXBIW
          XMAAA9hAAAPYQGoP6dpAAArwU1EQVR4nO3df1iUdb7/8Rc/4seqM4gu4Gyo9MsfiWZSSKabK5
          dk5DmcrM2ijbNSnt0DrUY/xLXMfmKULaYHs7qkrvRknpNu4UayuMnJSBFjVVKyzdRyB9oLmQl
          aEzn5/tHF/W3SNrGZRj4+H9c117Xc92fued+4xbObmdsQr9frFQAAGGFCgz0AAABAIBA5AADA
          SEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASkQMAAIwUHwBgsnj8ejw4cPq06ePQkJCg
          j0OAAA4BV6vV19++aUcDodCQ7/7es1ZHTmHDx9WYmJisMcAAACn4dChQzr33HO/c/9ZHT19+v
          SR9PU3yWazBXkaAABwKtxutxITE62f49/lrI6crl9R2Ww2IgcAgB7m+95qwhuPAQCAkYgcAAB
          gJCIHAAAYicgBAABGInIAAICRiBwAAGAkIgcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGInI
          AQAARiJyAACAkYgcAABgppBgD2CqwYUbgj1Ct326MDPYIwAA4DdcyQEAAEYicgAAgJGIHAAAY
          CQiBwAAGInIAQAARiJyAACAkYgcAABgJCIHAAAYicgBAABGInIAAICRiBwAAGAkIgcAABiJyA
          EAAEYicgAAgJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABgJCIHAAAYqduRU1VVpalTp8r
          hcCgkJETrl6+39nV0dGjOnDlKTk5Wr1695HA4dOutt+rw4cM+x2hublZ2drZsNptiYmKum5ur
          ltZWnzU7d+7U+PHjFRUVpcTERBUXF58wy9qlazV06FBFRUUpOT1Zf/zjH7t7OgAAwFDDjpy2t
          jaNGjVKy5YtO2HfV199pR07duj+++Xjh079Prrr6uhoUH/8i//4rMuOztb9fXlqqioUFlZma
          qqjJRz5kxrv9vtluTJkzVo0CDVltbqiSee0IIFC7RixQprzXvvvaebbrpJubm5+uCDD5SVlaW
```


srCzt3r27u6cEAAAMFOL1er2n/eSQEK1bt05ZWVnfuaampkaXX365Dhw4oIEDB2rPnj0aPny4
ampqlJKSIkkqLy/XNddco88++0wOh0MlJSWaN2+enE6nIiIiJEmFhYVav3699u7dK0m68cYb1
dbWprKyMuulxo4dq0suuUTLly8/pfndbrfsdrtcLpdsNttpfhdObnDhBr8e78fw6cLMYI8AAM
D30tWf3wF/T47L5VJISiHiYmIkSdXV1YqJibECR5LS09MVGHqqrVu3WmsmTJhgBY4kZWRkqKG
hQUeOHLHWPken+7xWRkaGqquv3OW9vZ2ud1unwcAADBTQCPn6NGjmnNjm666SartJxOp+Li
4nzWhYeHKzY2Vk6n01oTHx/vs6br6+9b07X/ZIqKimS3261HYmLiDztBAABwxgpy5HR0dOiXv
/ylvF6vSkpKAvUy3TJ37ly5XC7rcejQoWCPBAAAAiQ8EAftCpwDBw5o06ZNPr8vS0hIUFNtk8
/648ePq7m5WQkJCdaaxsZGnzVdX3/fmq79JxMZGanIyMjTPzEAANBj+P1Ktlfg7Nu3T3/605/
Ur18/n/1paWlqaWlRbW2ttW3Tpk3yeDxKTU211lRVVamjo8NaU1FRoSFDhghv377WmsrKSp9j
V1RUKC0tZd+nBAAAEqBuR05ra6vq6upUV1cnSdq/f7/q6up08OBBdXR06Pr9f27dulatUqd
XZ2yul0yul06tixY5KkYcOG6eqrr9btt9+ubdu2acuWLCrPz9f06dPlcDgkSTffflMiIiKUm5
ur+vp6rVmzRosXL1ZBQYElx6xZs1ReXq5FixZp7969WrBggbZv3678/Hw/fFsAAEBP1+2PkL/
zzjuaOHHiCdtzcnK0YMECJSUlnfR5f/7zn3XVVVdJ+vpmgPn5+XrzzTcVGhqgadOmacmSJerd
u7elFufOncrLy1NNTY369++vO+64Q3PmzPE55tq1a3Xffffp008/1YUXXqji4mJdc801p3wuf
ITcFx8hBwD0BKf68/sH3SenpyNyfBE5AICe4Iy5Tw4AAEAwEdkaAMBIRA4AADASkQMAAIx5A
AAACMROQAAwEhEdgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMB
IRA4AADASkQMAAIx5AAAACMROQAAwEhEdgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpED
AACMROQAAAAjETkAAMBIRA4AADASkQMAAIx5AAAACMROQAAwEhEdgAAMBKRAwAAjETkAAAAI
x5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASkQMAAIx5AAAACMROQAAwEhEdg
AAMBKRAwAAjNTtyKmqqtLUqVPlcDgUEhKi9evX++z3er2aP3++BgwYoOjoaKWnp2vfvn0+a5q
bm5WdnS2bzaaYmBj15uaqtbXVZ83OnTs1fvx4RUVFKTEuXcXfXsfMsnbtWg0dOlRRUVFKTk7W
H//4x+6eDgAAMFS3I6etrU2jRo3SsmXLTrq/uLhYS5Ys0fLly7V161b16tVLGRkZOnr0qLUmO
ztb9fX1qqioUFlZmaqqqjRz5kxrv9vt1uTJkzVo0CDV1tbqiSee0IIFC7RixQprzXvvvaebbr
pJubm5+uCDD5SVlaWsrCzt3r27u6cEAAAMFOL1er2n/eSQEK1bt05ZWVmSvr6K43A4dNddd+n
uu++WJLlClsXHx6u0tFTTp0/Xnj17NHZ4cNXU1CglJUWSVF5ermuuUafffaZHA6HSkpKNG/e
PDmdTkVEREiSCgsLtX79eu3duleSdOONN6qtrU1lZWXPgPHjtU1l1yi5cuXn9L8brdbdrtdL
pdLNpvtldL8NJzW4cINFj/dj+HRhZrBHAADge53qz2+/vidn//79cjqdSk9Pt7bZ7Xalpqaur
paklRdXa2YmBgrrCQpPTldoaGh2rplq7VmwoQJVuBIUkZGhhoaGnTkyBfrzTdfp2tN1+ucTht
7u9xut88DAACYya+R43Q6JUnx8fE+2+Pj4619TqdTcXfXpVvDw8MVGxvrs+Zkx/jma3zXmq79
J1NUVCS73W49EhMTu3uKAACghzirPl01d+5cuVwu63Ho0KFgJwQAAALer5GTkJAgSWpsbPTZ3
tjYa01LSEhQU1OTz/7jx4+rubnZZ83JjvHN1/iuNV37TyYmLi2m83nAQAAzOTXyElKslJCQo
IqKyutbW63W1u3b1VaWpOKKS0tTS0tLaqtrbXWbNq0SR6PR6mpqdaaqqoqdXR0WGsQKio0ZMg
Q9e3b1lrzzdfpWtPl0gAA4OzW7chpbW1VXV2d6urqJH39Zu06ujodPHhQISEhmj17th555BG9
8cYb2rVrl2699VY5HA7rEljDhg3T1Vdfrdtv13btm3Tli1blJ+fr+nTp8vhcEiSbr75ZkVER
Cg3N1f19fVas2aNF19erIKCAmuOWbNmqby8XIswLdLevXu1YMECbD++Xfn5+T/8uwIAAHq88O
4+Yfv27Zo4caLldVd450TkqLS0VPfee6/a2to0c+ZmtbS06Morr1R5ebmioqKs56xatUr5+fm
aNGmSQkNDNW3aNC1ZssTab7fbtXHjRuX15WnMmDHq37+/5s+f73MvnSuuuEKrV6/Wfffdp9//
/ve68MILtX79eo0YMeK0vhEAAMAsP+g+OT0d98nxxX1yAAA9QVDukwMAAHcmIHIAAICRiBwAA
GAkIgcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABgJCIHAAAYic
gBAABGInIAAICRiBwAAGAkIgcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGInIAQAARiJyAAC
AkYgcAABgJCIHAAAYicgBAABGInIAAICRiBwAAGAkIgcAABiJyAEAAEYicgAAgJGIHAAAYCQi
BwAAGInIAQAARiJyAACAkYgcAABgJCIHAAAYicgBAABGInIAAICRiBwAAGAkIgcAABiJyAEAA
EYicgAAgJGIHAAAYCS/R05nZ6fuv/9+JSULKtO6Wueff74efvhheblea43X69X8+fm1YMAARU
dHKz09Xfv27fM5TnNzs7Kzs2Wz2RQTE6Pc3Fyltrb6rNm5c6fGjx+vqKgoJSYmqri42N+nAwA
Aeii/R87jjz+ukpISLV26VHv27NHjjz+u4uJiPfvss9aa4uJiLVmyRMuXL9fWrVvVq1cvZWRk
6OjRo9aa7OxsldfXq6KiQmVlZaqqqtLMmTot/W63W5MnT9agQYNUW1urJ554QgsWLNCKFSv8f
UoAAKAHCvF+8xKLH1x77bWKj4/Xiy++aG2bNm2aoqOj9corr8jr9crhcOiuu+7S3XffLULyuV
yKj49XaWmppk+frj179mj48OGqalRSkqKJKm8vFzXXHONPvvsMzkcDpWULGjevHlyOp2KiIi
QJBUWFmr9+vXau3fvKc3qdr1t9vlclks9n8+W3Q4MINfj3ej+HThZnBHGEAgO91qj+/X41
54orr1BlZaU++ugjSdJf/vIXvfvuu5oyZYokaf+/XI6nUpPT7eeY7fblZqaqurqaklSdXW1Y
mJirMCRpPT0dIWGHmrr1q3WmgkTJliBI0kZGRlqaGjQkSNHTjpbe3u73G63zwMAAJgp3N8HLC
wslNvtltChQxUWFqbOzk49+uijys7OliQ5nU5JUnx8vM/z4uPjrx1Op1NxcXG+g4aHKzY21md
NULLSccfo2te3b98TZisqKtKDDz7oh7MEAABnOr9fyXnttde0atUqrV69Wjt27NBLL72kJ598
Ui+99JK/X6rb5s6dK5fLZT0OHToU7JEAACEA+P1Kzj333KPCwkJNnz5dkpScnKwDBw6oqKhIO
Tk5SkhIkCQ1NjZqwIAB1vMaGxtlySWXSJISEhLU1NTkc9zjx4+rubnZen5CQoIaGxt91nR93b
Xm2yIjIxUZGfnDTxIAAJzx/H4156uvvlJoqO9hw8LC5PF4JELJSULKSEhQZWWltd/tdmvrlq1
KS0uTJKWlpamlpUW1tbXWmk2bNsnj8Sg1NdVaU1VVPy6ODmtNRUWFhgwZctJfVQEAgLOL3yNn
6tSpevTRR7VhwwZ9+umnWrdunZ566in927/9myQpJCRES2fPliOPPKI33nhDu3bt0q233iqHw

6GsrCxJ0rBhw3T11Vfr9ttv17Zt27Rlyxbl5+dr+vTpcjgckqSbb75ZERERys3NVX19vdasWa
PFixeroKDA36cEAAB6IL//uurZZ5/V/fffr//8z/9UU10THA6H/uM//kPz58+31tx7771qa2v
TzJkz1dLSoiuvvFL15eWKioqylqxatUr5+fmaNGmSQkNDNW3aNC1ZssTab7fbtXHjRuX15WnM
mdHq37+/5s+f73MvHQAACpby+31yehLuk+OL++QAAHqCoN0nBwAA4ExA5AAAACMROQAAwEhED
gAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASKQMAAI
x5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETk
AAMBIRA4AADASKQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAw
EpEDAACMROQAAAAjETkAAMBIRA4AADASKQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkA
AAAIx5AADASEQOAAAwUkAi5/PPP9ctt9yifv36KTo6WsnJydq+fbul3+v1av78+RowYICio6
OVnp6uffv2+RyjublZ2dnZstlsiomJUW5urlpbW33W7Ny5U+PHj1dUVJQSExNVXFwcINMBAAA
9kN8j58iRIxo3bpz0OeccvFXWW/rwww+1aNEi9e3b1lpTXFysJUuWaPny5dq6dat69eq1jIwM
HT16lFqTnZ2t+vp6VVRUqKysTFVVVZo5c6a13+12a/LkyRo0aJBqa2v1xBNPamGCBVqxYoW/T
wkAAPRAIV6v1+vPAXYWFmrLli36v//7v5Pu93q9cjcguuuu3T33XdLklwul+Lj41VaWqrp06
drz549Gj58uGpqapSSkiJJKi8v1zXXXKPPvtMDodDJSUlmjdvnpxOpyIiIqzXXr9+vfbu3Xt
Ks7rdbtntdr1cLtlSnj+c/f83uHCDX4/3Y/h0YWawRwAA4Hud6s9vv1/JeeONN5SSkqIbbrhB
cXfXGj16tJ5//nlr//79++V0OpWenm5ts9vtSk1NVXV1tSSpurpaMTExVuBIUnp6ukJDQ7V16
1ZrzYQJE6zAkaSMjAw1NDToyJEjJ52tvb1dbrfb5wEAAMzk98j55JNPVFJSogsvvFBvv/22fv
vb3+p3v/udXnrpJUms0+mUJMXHx/s8Lz4+3trndDoVxfnsz88PFyxsbE+a052jG++xrcVFRX
Jbrdbj8TExB94tgAA4Ez198jxeDy69NJL9dhjj2n06NGaOXOmbr/9di1fvtzfL9Vtc+fOlcv1
sh6HDh0K9kgAACBA/B45AwYM0PDhw322DRs2TACPhPqKJSQkSJiAGxt91jQ2Nlr7EhIS1NTU5
LP/+PHjam5u911zsmN88zW+LTIyUjabzecaADM5PfIGTdunBoaGny2ffTRRxo0aJAKKskpSQ
kJCagsrLT2u91ubd26VWlpazKktLQ0tbS0qLa21lqzadMmeTwepaamWmuqqqrU0dFhramoqNC
QIUN8PskFAADOTn6PnDvvvFPvv/++HnvsMX388cdavXq1VqxYoby8PElSSEiIZs+erUceeURv
vPGGdu3apVttvVUOh0NZWVmSvr7yc/XVV+v222/Xtm3btGXLfuXn52v690lyOBySpJtvvlkRE
RHKzc1VfX291qxZo8WLF6ugoMDfpwQAAHqgcH8f8LLLLtO6des0d+5cPfTQQ0pKStIzzzyj7O
xsa829996rtrY2zZw5Uy0tLbryyitVX16uqKgoa82qVauUn5+vSZMmKTQ0VNOMtdOSJUus/Xa
7XR3b1ReXp7GjBmj/v37a/78+T730gEAGcgv98npyfhPjm+uE8OAKANcNp9cgAAAM4ERA4A
ADASKQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMR
OQAAAAjETkAAMBIRA4AADASKQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AA
DASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASKQMAAIx5AAAACMROQAAwEhEDgAAMBK
RAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASKQMAAIx5AAA
ACMROQAAwEhEDgAAMBKRAwAAjBTwyFm4cKFCQkI0e/Zsa9vRo0eVl5enfv36qx3fv3po2bZoaG
xt9nnfw4EF1ZmbqJz/5ieLi4nTPPffo+PHjPmveeecdXXrppYqMjNQFF1yg0tLSQJ80AADoIQ
IaOTU1NXruuec0cuRin+133nmn3nzzTa1dulabN2/W4cOHdd1111n7Ozs7lZmZqWPHjum9997
TSy+9pNLSUs2fP99as3//fmVmZmrixImqq6vT7Nmzddttt+ntt9805CkBAIAeImCR09raquzs
bd3//PPq27evtd3lcunFF1/UU089pV/84hcam2aMVq5cqffee0/vv/++JGnjxo368MMP9corr
+iSSy7RlClT9PDDD2vZsmU6duyYJGn58uVKSkrSokWLNzYMOXn5+v666/X008/HahTAgAAPU
jAIicvL0+ZmZlKT0/32V5bW6uOjg6f7UOHdTXAgQNVXV0tSaqlZycrLi4+OtNRkZGKX73aq
vr7fWfPvYGRkZ1jFopr29XW632+cBAADMFB6Ig7766qvasWOHampqTtjndDoVERGhmJgYn+3x
8fFyOp3Wmm8GTtf+rn3/bI3b7dY//vEPRUdHn/DaRUVFevDBB0/7vAAQM/h9ys5hw4d0qxZs
7Rq1SpFRUX5+/A/yNy5c+VyuaZHoUOHgj0SAAIeL9HTm1trZqamntppZcqPDxc4eHh2rx5s5
YsWaLw8HDFx8fr2LFjamlp8XleY2OjEhISJEkJCQknfNqq6+vvW2Oz2U56FUEsIimJZbPZfB4
AAMBMfo+cSZMmadeuXaqrq7MeKskpys70tv73Oeeco8rKSus5DQ0N0njwoNLS0iRJaWlp2rVr
15qamqw1FRUVstlsGj58uLXmm8foWtN1DAAAcHbz+3ty+vTpoxEjRvhs69Wrl/r162dtz83NV
UFBgWJjY2Wz2XTHHXcoLS1NY8eOlSRNnjxZw4cP169+9SsVFxfL6XTqvvvuU15eniIjIyVJv/
nNb7R06VLde++9mjFjhjZt2qTXXntNgzZs8PcpAQCAHiggbzz+Pk8//bRCQ0M1bdo0tbe3KyM
jQ//1X/917Q8LC1NZWZ1++9vfKi0tTb169VJOTO4eeugha01SupI2bNigO++8U4sXL9a5556r
F154QRkZGcE4JQAACIYJ8Xq93mAPESxut1t2u10ul8vv788ZXNjzrih9ujAz2CMAAPC9TvXnN
393FQAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASKQ
MAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAA
jETkAAMBIRA4AADASKQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADASEQO
AAAwEpEDAACMROQAAAAjETkAAMBIRA4AADASKQMAAIx5AAAACMROQAAwEhEDgAAMBKRAwAAj
ETkAAAAIx5AADASEQOAAAwEpEDAACMROQAAAAjETkAAMBIfo+coqIiXxbZZerTp4/i4uKULZ
WlhoYGnzVHjx5VX16e+vXrp969e2vatGlqbGz0WXPw4EF1ZmbqJz/5ieLi4nTPPffo+PHjPm
veeecdXXrppYqMjNQFF1yg0tJSf58OAADoofweOzs3b1ZeXp7ef/99VVRUqKOjQ5MnT1ZbW5u1
5s4779Sbb76ptWvXavPmzTp8+LCuu+46a39nZ6cyMzN17Ngxvf fee3rppZdUWlqq+fPnW2v27
9+vzMxMTZw4UXV1dZo9e7Zuu+02vf322/4+JQAA0AOfEL1ebyBf4Isvv1BcXJw2b96sCRMmyO
Vy6ac//alWrl6t66+/XpK0d+9eDRs2TNXV1Ro7dqzeeustXXvtTtp8+LDi4+MlScuXL9ecOXp

0xRdfKCIiQnPmzNGGDRu0e/du67WmT5+ulpYWlZeXn9JsbrdbdrtdLpdLNpvNr+c9uHCDX4/3
Y/h0YWawRwAA4Hud6s/vgL8nx+VySZJiY2MlSbWltero6FB6erq1ZujQoRo4cKCqg6slSdXV1
UpOTrYCR5IyMjLkdrtVX19vrfnmMbrWdB3jZNRb2+V2u30eAADATAGNHI/Ho9mzZ2vcuHEaMW
KEJMpndCoiIkIxMTE+a+Pj4+V0Oq013wycrvld+/7ZGrfbrX/84x8nnaeoqEh2u916JCYm/uB
zBAAA6aArk5ExP52796tV199NZAvC8rmzp0r18t1PQ4dOhTskQAAQICEB+rA+fn5KisrU1VV
lc4991xre0JCgo4d06aWlhafqzmNjY1KSEiwlmbzts3neF2fvvrmmm9/IquxsVE2m03R0dEnn
SkyMlKRkZE/+NwAAMCZz+9Xcrxer/Lz87Vu3Tpt2rRJSU1JPvvHjBmjC845R5WVlda2hoYGHT
x4UGlpaZKktLQ07dq1S01NTdaaiocK2Ww2DR8+3FrzzWN0rek6BgAAOLv5/UpOXl6eVq9erT/
84Q/q06eP9R4au92u6Oho2e125ebmqcGqQLGxsblZbLrjjjuUlpamsWPHSpImT56s4cOH61e/
+pWKi4vldDp13333KS8vz7oS85vf/EZLly7VvffeqxkzZmjTpk167bXXtGFDz/tUEWAA8D+/X
8kpKSmRy+XSVVddpQEDBliPNWvWWGuefvppXXvttZo2bZomTJighIQEvf7669b+sLawlZWVKS
wsTGlpaBrlllt066236qGHHrLWJCUlacOGDaqoqNCoUa0aNEivfDCC8rIyPD3KQEAgB4o4Pf
JOZNxnxxf3CcHANATnDH3yQEAAAGIGcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGInIAQAA
RiJyAACAKQL2F3Si5+EGhgAAk3AlBwAAGInIAQAARiJyAACAKYgcAABgJCIHAAAYicgBAABGI
nIAAICRiBwAAGAKIgcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGInIAQAARiJyAACAKYgcAA
BgJCIHAAAYicgBAABGIInIAAICRiBwAAGAKIgcAABiJyAEAAEYicgAAgJGIHAAAYCQiBwAAGIn
IAQAARiJyAACAKYgcAABgJCIHAAAYicgBAABGIInIAAICRiBwAAGAKIgcAABgPNgDAD/E4MIN
wR6h2z5dmBnsEQDgrNDjr+QsW7ZMgwcPVlRUlFJTU7Vt27ZgjwQAAM4APTpylqxZo4KCAj3ww
APasWOHRO0apYyMDDU1NQV7NAAAEQGhXq/XG+whTldqaqouu+wyLV26VJLk8XiUmJioO+64Q4
WFhd/7fLfbLbvdLpflJZvN5tfZeuKvUYB/hl+zAThTnOrP7x77npjx46ptrZWc+fOtbaFhoY
qPT1dldXVJ31Oe3u72tvbra9dLpekr79Z/uZp/8rvxwSCKRD/nADA6ej699H3XafpsZHz97//
XZ2dnYqPj/fZHh8fr7179570OUVFRXrwwQdP2J6YmBiQGQGT2J8J9gQA40vLL7+U3W7/zv09N
nJOx9y5clVQUGB97ff41NzcR79+ikkJOS0j+t2u5WYmKhDhw75/ddeZxr01Uycq5k4V30dTe
d7snPler368ssv5XA4/ulze2zk90/fX2FhYWpsbPTZ3tjYqISEhJM+JzIyUpGRkT7bYmJi/Da
TzWYz/v9sXThXM3GuZuJczXU2ne+3z/WfXcHp0mM/XRUREaExY8aosrLS2ubxeFRZWam0tLQg
TgYAAM4EPfZKjiQVFBQoJydhKSkpuzzy/XMM8+oralNv/71r4M9GgAACLIeHTk33nijvvjiC
82fP19Op1OXXHKJysvLT3gzCqBFRkbqgQce00FXYSbiXM3EuZqJczXX2XS+P+Rce/R9cgAAAL
5Lj31PDgAAwD9D5AAAACMROQAawEhEdgAAMBKR8wMtW7ZMgwcPVlRUlFJTU7Vt27ZgjxQQVVV
Vmjp1qhwOh0JCQRr+/fpgjxQQRUUVFuuyyy9SnTx/FxcUpKytLDQ0NwR4rYEpKSjRy5EjrJltp
aWl66623gj1WwC1cuFAhISGaPxt2sEcJiAULFigkJMTnMXTo0GCPFTCff/65brnlFvXr10/R0
dFKTk7W9u3bgz2W3w0ePPiEP9eQkBD15eUFezS/6+zs1P3336+kpCRFR0fr/PPP18MPP/y9f1
fvtxE5P8CaNwTUUFcGbx54QDt27NCoUaOUkZGhpqamYI/md21tbRo1apSWLVsW7FECavPmzcr
Ly9P777+viooKdXR0aPLkyWpraw2aAFx7rnnauHChaqrtdX27dvl1l/8Qv/6r/+q+vr6YI8W
MDU1NXruuec0cuTIYI8SUBdffLH+9re/WY9333032CMFxJEjRzRu3Didc845euutt/Thx9q0
aJF6tu3b7BH87uamhqfP90KigpJ0g033BDkyfzv8ccfv0lJiZYuXao9e/bo8ccfV3FxsZ599t
nuHciL03b55Zd78/LyrK87Ozu9DofDW1RUFMSpAk+Sd926dcEe40fR1NTkleTdvHlzsEf50fT
t29f7wgsVBHuMgPjyyy+9F154obeiosL785//3Dtr1qxgjxQQDzzwgHfUqFHBHuNHMWfOHO+V
V14Z7DGCYtasWd7zzz/f6/F4gj2K32VmZnpnzJjhs+26667zZmdnd+s4XMk5TceOHVNTba3S0
9OtbaGhoUpPT1dldXUQJ4M/uVwuSVJsbGyQJwm8zs5OvfrqQ2prazP2r0bJy8tTZmamzz+3pt
q3b58cDofOO+88ZWdn6+DBg8EeKSDeeOMNpaSk6IYbblBcXJxGjx6t559/PthjBdyxY8f0yiu
vaMaMGt/oL5g+U11xxRWqrKzURx99JEN6y1/+onfffVdTpKzplnF69B2Pg+nvf/+70js7T7i7
cnx8vPbu3RukqeBPho9Hs2fPlrhx4zRixIhgjxMwu3btUlpamo4eParevXtr3bp1Gj58eLDH8
rtXX31VO3bsUE1NTbBHCbjU1FSVlpZqyJAhtvf/qYHH3xQ48eP1+7du9WnT59gj+dXn3zyiU
pKS1RQUKd//73qqmp0e9+9ztFREQoJycn2OMFzPr169XS0qJ//d/D/YoAVFYWCi3262hQ4c
qLCxMnZ2devTRR5Wdnd2t4xA5wHfIy8vT7t27jX0vQ5chQ4aorq5OLpdL//M//6OcnBxt3rzZ
qNA5dOiQZs2apYqKCKvFRQV7nID75n/tjhw5UqmpqRo0aJBee+015ebmBnEy//N4PEpJSdFjj
z0mSRo9erR2796t5cuXGx05L774oqZMmSKHwxHsUQLitdde06pVq7R69WpdfPHFqqur0+zsZs+
VwOLr150rknKb+/fsrLCxMjY2NpTsbGxuVkJAQPknGL/n5+SorK1NVVZXOPffciYI8TUBEREbr
gggskSWPGjFFNTY0WL16s5557LsiT+U9tba2ampp06aWXWts6OztVvVWlpUuXqr29XWFhYUGc
MLBiYmJ00UUX6eOPPw72KH43YMCAE4J82LBh+t//d8gTRR4Bw4c0J/+9Ce9/vrrwR41YO655
x4VFhZq+vTpKqTk5GQdOHBARUVF3Yoc3pNzmiIiJjRmzBhVvLza2zwejyorK419P8PZwOv1Kj
8/X+vWrdOmTzuU1JQU7JF+dB6PR+3t7cEew68mTzqkXbt2qa6uznqkpKQoOztbdXV1RgeOJLW
2tuqvf/2rBgwYEOxR/G7cuHEN3Obho48+0qBBg4I0UeCtXLlScFXfyszMDPYoAfPVV18pNNQ3
UcLCwuTxeLp1HK7k/AAFBQXKyclRSkqKLr/8cj3zzDNqa2vTr3/962CP5netra0+/xW4f/9+1
dXVKTY2VgMHDgziP6V15enlatX6w9/+IP690kjp9MpSbLb7YqOjg7ydp43d+5cTZkyRQMHDt
SXX36platX65133tHbb78d7NH8qk+fPie8r6pXr17q16+fke+3uvvuuzV16lQNGjRiHw8f1gM
PPKcwsDDddNNNwR7N7+68805dccUveuyxx/TLX/5S27Zt04oVK7RixYpgjxYQHo9HK1euVE5O
jsLDzf0RPNxqVD366KMaOHCgLR74Yn3wwQd66qmnNGPGjo4dyI+f+DorPfvss96BAWd6IyIiv

Jdffrn3/fffd/ZIAfHnP//ZK+mER05OTrBH86uTnaMk78qVK4M9WkDMmDHDO2jQIG9ERIT3pz
/9qXfSpEnejRs3BnusH4XJHyG/8cYbvQMGPBGRER4f/azn3lvvPFG78cfxzssQLmzTff9I4
YMcIbGRnpHTp0qHfFihXBhilg3n77ba8kb0NDQ7BHCSI32+2dNWuWd+DAgd6oqCjveed5503
b563vb29W8cJ8Xq7eftAAACAHOd35AAAACMROQAAwEhEDgAAMBKRAwAAjETkAAAAIx5AADAS
EQOAAAwEpEDAAD8qqqqSlOnTpXD4VBISiJWr1/f7WN4vV49+eSTuuiiixQZGamf/exnevTRR7
t1DHPvCQ0AAIKira1No0aN0owZM3Tddded1jFmzZqljRs36sknn1RycrKam5vV3NzcrWNwx2M
AABAwISEhWrdunbKysqxt7e3tmjdvnv77v/9bLS0tGjFihB5//HFdddVvkqQ9e/Zo5MiR2r17
t4YMGXLar82vqAAAwI8qPz9f1dXVevXVV7Vz507dcMMNuvrq7Vv3z5J0ptvvqnzzjtPZWV1S
kpK0uDBg3Xbbbd1+0oOkQMAAH40Bw8e1MqVK7V27VqNHZ9e559/vu6++25deeWVWrlypSTpk0
8+0YEDB7R27Vq9/PLlKi0tVW1tra6//vpuvRbvYQEAAAD+aXbt2qbOzUxdddJHP9vb2dvXr10+
S5PF41N7erpdffftla9+KLL2rMmDFqAgG45V9hETkAAOBH09raqrCwMNXWliosLMxnX+/evSVJ
AwYMUHh4uE8IDRs2TNLXV4KIHAACMYZPXq0Ojs71dTUPhJx590zbhx43T8+HH99a9/1fnnn
y9J+uijjyRJgwYNouXX4tNVAADAr1pbW/Xxxx9L+jpqnnrqKU2cOFGxsbEaOHCgbrnlFm3Zsk
WLFi3S6NGj9cUXX6iyslIjR45UZmamPB6PLrvsMvXu3VvPPPOMPb6P8vLyZLPZtHHjxlOeg8g
BAAB+9c4772jixIknBM/JyVFpaak6Ojr0yCOP6OWXX9bnn3+u/v37a+zYsXrwwQeVnJwsSTp8
+LDuuOMObdy4Ub169dKUKVO0aNEixcbGnvIcRA4AADASHyEHAABGInIAAICRiBwAAGAkIgcAA
BiJyAEAAEYicgAAGJGIHAAAYCQiBwAAGInIAQAARiJyAACAkYgcAABGJCiHAAAY6f8BONlJ3/
OdO+UAAAAASUVORK5CYII=\n"

```
    },
    "metadata": {}
  ]
},
{
  "cell_type": "code",
  "source": [
    "print(data.describe())"
  ],
  "metadata": {
    "colab": {
      "base_uri": "https://localhost:8080/"
    },
    "id": "g7j3Fzsql__p",
    "outputId": "b8ced6e9-0a98-4d5c-c722-0172bfd80d43"
  },
  "execution_count": 17,
  "outputs": [
    {
      "output_type": "stream",
      "name": "stdout",
      "text": [
        "
                                id          Date  number of bedrooms
number of bathrooms  \\\n",
        "count    1.462000e+04   14620.000000          14620.000000
14620.000000  \n",
        "mean      6.762821e+09   42604.538646          3.379343
2.129583    \n",
        "std       6.237575e+03     67.347991          0.938719
0.769934    \n",
        "min       6.762810e+09   42491.000000          1.000000
0.500000    \n",
        "25%       6.762815e+09   42546.000000          3.000000
1.750000    \n",
        "50%       6.762821e+09   42600.000000          3.000000
2.250000    \n",
        "75%       6.762826e+09   42662.000000          4.000000
2.500000    \n",
```

8.000000	"max	6.762832e+09	42734.000000	33.000000	
	\n",				
	"\n",				
	"	living area	lot area	number of floors	
waterfront	present	\\n",			
	"count	14620.000000	1.462000e+04	14620.000000	
14620.000000	\n",				
	"mean	2098.262996	1.509328e+04	1.502360	
0.007661	\n",				
	"std	928.275721	3.791962e+04	0.540239	
0.087193	\n",				
	"min	370.000000	5.200000e+02	1.000000	
0.000000	\n",				
	"25%	1440.000000	5.010750e+03	1.000000	
0.000000	\n",				
	"50%	1930.000000	7.620000e+03	1.500000	
0.000000	\n",				
	"75%	2570.000000	1.080000e+04	2.000000	
0.000000	\n",				
	"max	13540.000000	1.074218e+06	3.500000	
1.000000	\n",				
	"\n",				
	"	number of views	condition of the house	...	Built
Year	\\n",				
	"count	14620.000000	14620.000000	...	
14620.000000	\n",				
	"mean	0.233105	3.430506	...	
1970.926402	\n",				
	"std	0.766259	0.664151	...	
29.493625	\n",				
	"min	0.000000	1.000000	...	
1900.000000	\n",				
	"25%	0.000000	3.000000	...	
1951.000000	\n",				
	"50%	0.000000	3.000000	...	
1975.000000	\n",				
	"75%	0.000000	4.000000	...	
1997.000000	\n",				
	"max	4.000000	5.000000	...	
2015.000000	\n",				
	"\n",				
	"	Renovation Year	Postal Code	Latitude	
Longitude	\\n",				
	"count	14620.000000	14620.000000	14620.000000	
14620.000000	\n",				
	"mean	90.924008	122033.062244	52.792848	-
114.404007	\n",				
	"std	416.216661	19.082418	0.137522	
0.141326	\n",				
	"min	0.000000	122003.000000	52.385900	-
114.709000	\n",				
	"25%	0.000000	122017.000000	52.707600	-
114.519000	\n",				
	"50%	0.000000	122032.000000	52.806400	-
114.421000	\n",				
	"75%	0.000000	122048.000000	52.908900	-
114.315000	\n",				

```

113.505000    "max          2015.000000  122072.000000    53.007600    -
              \n",
              "\n",
              "          living_area_renov  lot_area_renov  Number of schools
nearby  \\n",
              "count          14620.000000    14620.000000
14620.000000  \n",
              "mean          1996.702257    12753.500068
2.012244    \n",
              "std          691.093366    26058.414467
0.817284    \n",
              "min          460.000000    651.000000
1.000000    \n",
              "25%          1490.000000    5097.750000
1.000000    \n",
              "50%          1850.000000    7620.000000
2.000000    \n",
              "75%          2380.000000    10125.000000
3.000000    \n",
              "max          6110.000000    560617.000000
3.000000    \n",
              "\n",
              "          Distance from the airport          Price  \n",
              "count          14620.000000  1.462000e+04  \n",
              "mean          64.950958  5.389322e+05  \n",
              "std          8.936008  3.675324e+05  \n",
              "min          50.000000  7.800000e+04  \n",
              "25%          57.000000  3.200000e+05  \n",
              "50%          65.000000  4.500000e+05  \n",
              "75%          73.000000  6.450000e+05  \n",
              "max          80.000000  7.700000e+06  \n",
              "\n",
              "[8 rows x 23 columns]\n"
    ]
  }
]
},
{
  "cell_type": "code",
  "source": [
    "# Bi- Variant Analysis\n",
    "\n",
    "import matplotlib.pyplot as plt\n",
    "\n",
    "plt.scatter(data['condition of the house'], data['Built
Year'])\n",
    "plt.show()"
  ],
  "metadata": {
    "colab": {
      "base_uri": "https://localhost:8080/",
      "height": 433
    },
    "id": "kRVOLgZrlTNc",
    "outputId": "297a84f9-d2b0-436c-dbf4-7869c8e10735"
  },
  "execution_count": 19,
  "outputs": [

```

```
{
  "output_type": "display_data",
  "data": {
    "text/plain": [
      "<Figure size 640x480 with 1 Axes>"
    ],
    "image/png":
      "iVBORw0KGgoAAAANSUhEUgAAAJEAAAGGCAYAAABbvTaPAAAAOXRFWHRTb2Z0d2FyZQBNYXRw
      bG90bGliIHZlcnNpb24zLjcuMSwgaHR0cHM6Ly9tYXRwbG90bGliLm9yZy/bCgiHAAAACXB
      IWMXMAAA9hAAAPYQGoP6dpAABHNklEQVR4nO3de1Tb2t008GfCJUALoalAggVEO0spSi+2F
      Te1tZVCGZbp90z3sxe31guj621HLTsqMr9b1x0353d26Nx31q/VOrvZ2taOib1hLbX2go
      NSK7W0xW8T0FLCpUAg+fz+4EtsuIR36Ifk8wnPxzk5xyRpkvfHdyGvfD7vi0aSJALEREKqP
      lDQOIiIiIhoJFDBEREakSixgiIiJSJRYxREREpEosYoiIiEiVWMQQERGRKRGIIISiIiLVi
      EUNERESqxCKGiIiIViLFBBEREamSR0XMunXrMH36dISHhyM6Oho50Tk4deqUS6a9vR15eX
      kYO3YsRo8ejfvuuw91dXXO5z/77DP86Ec/QlxcHEJDQzFx4kS8+OKLfd5r3759mDp1KnQ6
      HcaPH4+NGzc07QiJiIjILwV6Et6/fz/y8vIwffp0dHV14Re/+AXS09NRVWVFUaNGAQBW
      r16N999/Hlu2bIFer8fy5ctx77334uOPPwYAHD16FNHR0di0aRpi4uJw8OBBPPLIiwgICM
      Dy5csBADU1NcjKysJjjz2GN998E7t378ayZctgMpkwb948obY6HA5cuHAB4eHh0Gg0nhwm
      ERER+YgkSWhubkZsbCy02kHotUxXob6+XgIg7d+/X5IkSWpsBJSCgoKkLVu2ODMnt56UA
      Eh1ZWUDvs5Pf/pTafbs2c77TzxxhDRp0iSxzP333y/NmzdPuG21tbUSAN5444033nj
      jTYW32traQT/rPT0T05vVagUAGAwGAN1nWTO7OzF371xnJikpCfHx8SgrK8Ott9464Ov
      0vAYAlJWVubwGAMybNw+rVq0asC0dHR3o6Ohw3pf+b3Pu2tpaREREeHZgRERE5BNNTU2
      Ii4tDeHj4oNkhFzEOhwOrVq3Cd7/7XaSkpAAALBYLgoODERkZ6ZKNiYmBxWlp93UOHjy
      Iv/3tb3j//fedj1ksFsTeXPR5jaamJrS1tSE0NLTP66xbtw6FhYV9Ho+IiGARQOREpDII
      q0GGPDspLy8PlZWVepVtt4f6EqisrMSCBQtQUFCA9PT0Ib8OAOTn58NqtTpvtbw1V/V6R
      EREpGxD0hOzfPly7Ny5E6WlpRg3bpzzcaPRCJvNhsbGRpezMXV1dTAAjS6vUVVVhTlz5u
      CRRx7BU0895fKc0Wh0mdHU8xoRERH9noUBAJ1OB51ON5TDISIiIhXy6EyMJELyvnw5tm7
      dij179iAxMdHl+WnTpiEoKAi7d+92PnbqlCmcP38eaWlpzsdOnDiB2bNnY8mSJfjVr37V
      533S0tJcXgMASKpKXF6DiIiIRjaPzsTk5eXhrbfewnvvvYfw8HDn0Be9Xo/Q0FDo9XosX
      boUa9asgcFgQEREBH72s58hLS3NOai3srISd911F+bNm4cla9Y4XyMgIABRUVEAgMceew
      wvfvQSnnjiCfzkJz/Bnj178M4777iMmyEiIqKRTSP1TOMRCQ8wyOa1117DQw89BKB7sb
      uf//zn2Lx5Mzo6OjBv3jz86U9/cl5OevbZZ/sdgJuQkICzZ8867+/btw+rV69GVVUVxo
      0bh6efftr5HiKampqg1+thtVo5sJeIiEglPPn89qiIURMWMUREROrjyec3904iIiIiVWIR
      Q0RERKp0VSv2EhF5221LCzL/az86HUCQFvjnjxs3jja180iIh9gEUNEqpG49n1cOYiv0
      wHM/cN+aADU/CbLV80iIh/h5SQiUoXeBcyVpP97nohGFHyxRKR4py0tAxYwPaT/yxHRy
      MEihogUL/O/9suaIyL/wCKGiBSv0yFvj0j8A4sYIiIiUiUWMURERKRKLGIiIhIlVjEEB
      ERkSxqiCEiIiJVYhFDREREqsQihoiIiIFSJRQwRERGPeOsYIiIiUiUWMURERKRKLGIiI
      hIlVjEEBERkSoF+roBREQ0stgdEg7XNKC+uR3R4SGYkWhAgFbj62aRCrGIISiIrymuNKN
      wRxxM1nbnYyZ9CAqyk5GRYvJhy0iNeDmJiIiiorjsjNxxN1wKGACwWNUru+kYiivNPmo
      ZqRWLGCIiGnZ2h4TCHVWQ+nmu57HCHVWwO/pLEPWPRQwREQ27wzUNfc7AXEkCYLa243BN
      g/caRarHIOaIiIZdffPABcxQckQAixgiIvKC6PAQWXNEAIsYIiLyghmJBpj0IRhoIrUG3
      bOUZiQavNksUjKWMUREN0wCtBoUZCcDQJ9Cpud+QXYy14shj7CIISIir8hIMaFo4VREhwe
      7PB4dHoyihVO5Tgx5jEUMERF5zfHzl/Bli83lsa9bbDh+/pKPWRqxhV7iYjIK9btqsIrp
      TV9HndIcD6ePz/Z280iFeOZGCIiGna2Lgde/ahvAXOlVz+qga3L4aUWkt9gEUNERMpUjB
      kZGGwxXofUnSMSxSKGiIiG3bmGy7LmiAAWMURE5AVxY0JlZREBLGKIiMgLkowRsuaIABY
      xREtkBQ2XbYOHpMgRAZxiTUREXmAICx485EGOfMvukHC4pgH1ze2IDu/eLsIXqy2ziCEi
      omH3uaVZOHF7jVHD3Bq6GsWVZhTuqILZ+u2O4yZ9CAqyk72+6jIvJxER0bCrvSQ260g0
      R75RXG1G7qZjLgUMAFis7cjddAzFlWavtodFDBERDttThE7WHHmf3SGhcEcV+lvup+exwh
      1VsA+2IJCMWMQQEdGwO3KuQdYced/hmoY+Z2CuJAEwW9txuMZ7fcgihoiIht25hjZZc+R
      99c0DFzBDycmBRQwREQ27xlaxqdOiOfK+6PAQWXNyYBFDRETDLjIsSNYced+MRANM+hAMN
      JFag+5ZSjMSDV5re4sYIiIaduMixb6di+bI+wK0GhRkJwNAn0Km535BdrJX14vxqIhZt2
      4dpk+fjvDwcERHRyMnJwenTplyybS3tyMvLw9jx47F6NGjcd9996Gurs4lc/78eWRlZSE
      sLAzR0dF4/PHH0dXV5ZLZt28fpk6dCp1Oh/Hjx2Pjxo1D00IiIvK5xrauWUme5Mg3MlJMK
      Fo4FuA9a7Fp1IegaOFUr68T49Fid/v370deXh6mT5+Orq4u/OIXv0B6ejqqqowatQoAMDql
      avx/vvvY8uWLDdr9Vi+fdnuvfdefPzxwAAu92OrKwsGI1GHDx4EGazGYsXL0ZQUBB+/etf
      AwBqamqQLZWFxx57DG+++SZ2796NZcuWwWQyYd68eTL/LyAiouFWlyw21kU0R76TkWLC3
      clGRazYq5EkacgTur/++mtER0dj//79u00002C1WhEVFYW33noL//Ef/wEA+PzzzzFx4k
      SULZXh1ltvxt//+U98//vfx4ULFxATEwMAePn11/Hkk0/i66+/RnBwMJ588km8//77qK
      ysdL7XAw88gMbGRhQXFwulrampCXq9HlarFRER3FCMSM2uW/u+cPbsb7KGssU0VD946SMc
      /6pp0NyUcRHYuvx2L7SirsZwbjvgyef3VY2JsVqtAACDoXsQz9GjR9HZ2Ym5c+c6M01J
      SYiPjOdZWRkAoKysDDfddJOzgaGAefPmoampCSdOnHBmrnyNnkzPa/
```

Sno6MDTU1NLjciI1KG7xjDZc2R7xRXmvG99XvwolcPYeXb5fjRq4fwvfV7vL5aL3AVRYzD4cC
qVavw3e9+FykPKQAAi8WC4OBgREZGumRjYmJgsVicmSsLmJ7ne55z12lqakJbW/9rCKxbtw56
vd55i4uLG+qhERGRzMzWD1lZ5Bt+s+1AXL4eKisr8fbbb8vZniHLz8+H1Wp13mpra33dJCIi+
j/cdkD9/GbbgeXL12Pnzp3Yu3cvxo0b53zcaDTCzrOhsbHRJV9XVwej0ejM9J6t1HN/sExERA
RCQ0P7bZNOp0NERITLjYiI1KG6TuwSv2iOvE/12w5IkoTly5dj69at2LNnDxITE12enzZtGoK
CgrB7927nY6dOncL58+eRlpYGAehLS0NFRQXq6+udmZKSEkRERCA50dmZufiIlejI9r0FEROp
ae6UNUfep/ptB/Ly8rBp0ya89dZbCA8Ph8VigcVicY5T0evlWLp0KdasWYO9e/fi6NGj+PGPf
4y0tDTceutAID09HQkJyjdj0aJF+Oyzz/Cvf/0LTz3lFPLy8qDTdZ9GfOyxx3DmzBk88cQT+P
zzz/GnP/0J77zzDlavXi3z4RMRkTdEjxZbiVc0R96n+m0HioqKYLvaMWvWLJhMJuftb3/7mzP
zwgsV4Pvf/z7uu+8+3HHHTAAjXj33XedzwcEBGDnzp0ICAhAWloaFi5ciMWLF+OXv/ylM5OY
mIj3338fJSU1SE1Nxe9+9zv85S9/4RoxREQpRlwsfqh5cj7erYdcMfb2w54tNidyJIYISEh2
LBhAzZs2DBGJiEhAbt27XL7OrNmzcLx48c9aR4RES1UXYvgYneCOFK+AK0G96Sa8EppzYCZe1
JNyt12giIaCjGhgTImiPvszskbP/M/RTq7Z+ZlT87iYiIyBOnv2mVNUfeN9jsJEDhs50iIi
GosMub468T4mzkzwaE00kdsO53wcRDSxIC9gcYjlsJiXOTmIRQyNGcaUZhTuqXE6HmvQhKMhO
9vr28UQjTViQFraOwauYMFYxitUzO8ndJSVvz07ivxYaEzS23wfrSHO5S2ywp2iOvC9Aq0HKt
e5Xw0+5NoKzk4jKpMT9PohGmlFBYh9sojnyPluXA7tPlrvN7D5ZD1uXwHVDmbCIIb+nxP0+iE
aaVpEBMR7kyPveKDuLwb7rOaTunLewiCG/p8QR9UQjTadgbSKaI+8713BZ1pwcWMSQ31PiiHq
ikUb0KhGvJilX3JhQWXNyYBFDfQ9nRP1Afxs18P6IeqKRxiY45Ew0R96XZHQ/qNfTnBxYxJdf
C9BqUJCdDAB9Cpme+wXZyVwvhojIjYbLYvtaiebkwCKGRoSMFBOKfk6FsdCOrEZ9CIoWTuU6M
UREgzCEBcuakMXu6MRIyPFhLuTjVyx14hoCD63NAnnbr8xaphb041FDI0oAVoN0m4Y6+tmEB
GpTu2lN1lZcuDlJCiiIhpU3JgWwXNyYBFDREg0qKCZc1JwcWMURERDSohjB2UmCOTmwiCE
iIqJBGUifZycJ5uTAIoaiIiGg9XlDs6w50XB2Eo0odofEKdZERENQe0lsTyTrNBxYxNCIUVxp
RuGOKpcdrU36EBRkJ30xOyKiQVwbKbYnkmhODrycRCNCcaUZuZuOuRQwAGCxtiN30zEUv5p91
DIiInXQC05rJZqTA4sY8nt2h4TCHVXo7/eq57HCHVWwO7jzHBHRQM5cbJE1JwcWMeT3Dtc09D
kDcyUJgNnajsM1Dd5rFBGRyhyo/kbWnBxYxJdfq28euIAZSo6IaCTqtDtkzcmBRQz5vejwkMF
DHuSiIEYik17sb6RoTg4sYsjvzUg0DPpLZdJ3T7cmIqL+6UODZM3JgUUM+b0ArQb3pLqfQn1P
qonrxRARuWFpFttOQDQnBxYx5PfsDgnbP3M/hXr7Z2b0TiIiciNwR5M1JwcWMeT3BpudBHB2E
hHRYJQ4vpBFDpk9zk4iIrp6Fwb5MuhptG4sYsjvKfHbAxGR2sSNEfsbKZqTA4sY8ns9s5MGGr
arAWcnERENJn7MKFlZcmARQ34vQKtBQXYyAPQpZhruf2Qnc3YSEZEbF5oELycJ5uTAIoZGhIw
UE4oWtKvMhOuo+ZgIHYoWTuUulKREGzCMElv/RTQnBxYxNMIMdC6GiIjceedwraw5ObCIoRGh
uNKM3E3HYO11mrOuqR25m46huNL9OjJERCNDy1uXrDk5sIghv2d3SCjcUYX+lrLreaxwRXUx
yMiciMyVKxkEM3JgUUM+b3BFruTwMXuiIgGMz46XNacHFjEkN/jYndERFevrqVT1pwcWMSQ37
tmtNg+HqI5IqKRYBQeLGtODixiyP+JDnXhkBgioGfdahM7wyKakwOLGPJ737R2yJoJihqJ6pt
tsubkwCKG/B73TiIiunoxo8Uue4nm5MAihvxez95J7nDvJCIi9yTBa+6iOTmwiCG/F6DVI0Xa
CLeZlGsjuHcSEZEb9YKzjkRzcmARQ37PluXA7pPlbj07T9bDluXwUouIinQnerTYnkiiOTl4X
MSUlpYiOzsbbsGx0Gg02LZtm8vzdXVleOihhxAbG4uwsDBkZGSgurmaJWOxWLBo0SIYjUaMGj
UKU6dOxT/+8Q+XTENDAx588EFEREQgmjISS5cuRuTli+dHSCPeG2VnMdhivA6p00dERAMQPvN
txZPaHhcxra2tSE1NxyYNG/o8J0kScnJycObMGbz33ns4fvw4EhISMhfuxLS2tjpxicvqxqlT
p7B9+3ZUVFTg3nvvxQ9/+EMcP37cmXnwQdx4sQJlJSUYOfOnSgtLcUjjzwYxMokkexcw2VZc
0REi1F9s+DlJMGcHAI9/YHmZExkZmb2+1x1dTUOHTqEyspKTJo0CQBQVFQEO9GiZs3Y9myZQ
CAgwcPoqioCDNmzAAAPPXUU3jhhRdw9OhRTJkyBSdPnkRxcTE+/fRT3HLLLQCAP/7xj5g/fz6
ef/55xMbGDulgaWQaFfxkqa46IaCSK1EkQ2So3UqfSgb0dHd3rbISEfDsTRKvVQqfT4cCBA87H
brvtNvztb39DQ0MDHA4H3n77bbS3t2PwrfKAgLKyMkRGRjoLGACY03cutFotPvnkkWhfu6mpy
eVGBChzRD0RkdqcuyR2hkU0JwdZi5ikpCTEx8cjPz8fly5dgs1mw/r16/HVV1/BbP62fnvnnX
fQ2dmJsWPHQqfT4dFHH8XWrVsxfvx4AN1jZqKj01leOzAwEAaDARaLpd/3XrduHfR6vfmWFxc
n56GRiv1vo9ieSKI5IqKRqK1TbPKDaE4OshYxQUFBEPfdd/HFF1/AYDAgLCwMe/fuRWZmJrTa
b9/q6aefRmNjIz788EMcOXIEa9aswQ9/+ENUVFQM+b3z8/NhtVqdt9raWjkoifx3Bixy0SiO
SKikUh0zph35iYNYUzMYKZNm4by8nJYrVbYbDZERUVh5syZzktDX375JV566SWXcTOpqa46K
OPsGHDBrZ88sswGo2or3edEtV1YWGhgyYjcz+31en00Gn4wZ+1FeS0f0aMZ7miIhGiTHNBLy
36cAwrhOj1+sRFRWF6upqHDlyBASWLAAAXL7cPQPkyjMzABAQEACHo/sUVFpaGhobG3H06FHN
83v27IHD4cDMmTOHq8nkpxoui/1KieaIIEgZPD4T09LSgtOnTzvv19TUoLy8HAaDAfHx8diyZ
QuioqIQHx+PiooKrFy5Ejk5OUhPTwfQPW5m/PjxePTRR/H8889j7Nix2LZtm3MqNQBMnDgRGR
kZePjhh/Hyyy+js7MTy5cvxwMPPMCZSeSxyFCxk5uiOSiIUGaPz8QcOXIEU6ZMwZQpUwAAa9a
swZQpU/DMM88AAMxmMxYtWoSkpCSsWLECixYtwubNm50/HxQUhF27diEqKgrZ2dm4+eab8T//
8z94/fXXMX/+fgfuzTffrFJSEubMmYP58+fje9/7Hv785z9f7fHSCPRBvf+DwYeaIyIiZfd4T
MysWbMgSQNPRV2xYgVWrFjh9jW+853v9FmhtzeDwYC33nrL0+YR9XG+oU3WHBERKQP3TiK/F2
8Qm3UKmiMiImVgEUN+Lz25/xltQ80REZEysIghv3exRWzWkWiOiIiUGUUM+b3jtzdkzRERkTK
wiCG/J7ojEndOIiJSFxyx5PcSx46SNUdERMrAIob83qK066DVuM9oNd05IiJSDxYx5PeCA7V4

+PZEt5mHb09EcCB/HYiI1ET2DSCJlCh/fjIA4M+lNS5jXzQAHrkj0fk8ERH1TwOxsYODnPiWF
b960ogxJX4MYiJCXB6LiQjBlPgxpMoREZF6KHGSBIsYGHGKK83I3XQMLqZ2l8frmtqRu+kYii
vNPmoZERENFYsY8nt2h4TCHVX9fjvoeawRxxSdK6yJiJSEYx5PcOlzTABG0f8HkJgNnajsM
lDd5rFBGRykyIDhk85EFODixiyO/VNw9cwAwlR0Q0EjVlyJuTA4sY8nvXjNbJmiMiGolCg8Qu
uYvm5MAihvyfEofUEXGpzJlvxE6xiObkwCKG/N43rWK/UKI5IiJSBhYx5Peiw8UGmYnmiIhIG
VjEkN+bkWiASE++QDHpQzAj0eClFhERqY9xtFjJIJqTA4sY8nsBWg3uSTW5zdyTakLAYLteEH
GNYO32AflzcmARQ37P7pCw/TP3K/Ju/8zMxe6IiNyIDBERGURzcmARQ35vsMXuAC52R0Q0GGt
7l6w5ObCIib/Hxe6IiK5eq80ha04OLGLI7l0zSnCx08EcEdFIpLGLXXIXzcmBRQz5P9HxuhzX
S0Q0INGVtLy54haLGPJ737QILnYnmCMiImVgEUN+j4vDERH5JxYx5Pe42B0RkX9iEUN+L0CrQ
XCg+wEvwYEaLnZHRKQyLGLI77W0d+HcxTa3mXMX29DixbUNiIjo6rGIib+3+m/HZc0REZEysI
ghv3f+kvuzMJ7miIhIGVjEkN+LGyM260g0R0REysAihvzegzMSZM0REZEysIghv9fUITZgVzR
HRETKwCKG/B4XuyMi8k8sYsjvzUg0IDIsyG1mTFgQF7sjIliZfjFEALy35yoREcmFRQz5vcM1
DWi83Ok203i5E4drGrzUIiIikgOLGPJ79c3tsuaIiEgZAn3dALWxOyQcrmlAfXM7os07Nw3kn
jvKxog9RERXLwiA+3Pa3+a8hUWMB4orzSjcUQWz9dtv7CZ9CAqyk5GRYvJhy8idnl2sr+y33r
iLNRGReyIFjCc5OfBykqDiSjNyNx3r80Fosbyjd9MxFFEafDQyGkyAVoN7Ut0XmfekmnhGjYh
IZVjECLA7JBtuqOp3BkvPY4U7qmB3ci6LEtkdErZ/5r7I3P6Zmf1HRKQyLGIEHK5pcHspQgJg
trZzdotCDdZ/APuPiEiNWMQI4OwWdWP/ERH5JxYxaj7Rd2uGaWTNUdERMrgcRFTWlqK7Oxsx
MbGQqPRYNU2bS7P19XV4aGHHkJsbcZCwsKQkZGB6urqPq9TVlaGu+66C6NGjUJERATuuOMotL
WlOZ9vaGjAgw8+iIiICERGRmLp0qVoaWnx/Ahl0DO7ZaBhnxpwdouiiY7X5bheIiJV8biIaW1
tRWpqKjZs2NDnOUmSkJOTgzNnzuC9997D8ePHkZCQgLLz56K1tdWZKysrQ0ZGBtLT03H48GF8
+umnWL58ObTab5vz4IMP4sSJEygpKcHOnTtRWlqKRx55ZiIHeXUCtBoUZCcD6Ps5l30/IDuZs
lsU6puWDllzRESKDB6vE50ZmYnMzMx+n6uursahQ4dQWVmJSZMmAQCKiopgNBqxefNmLFu2DA
CwevVqrFixAmvXrnX+7IQJE5z/ffLkSRQXF+PTTz/FLbfcAgD44x//iPnz5+P5559HbGysp82
+ahkpJhQtnNpnnRgj14lRvGtGC15OEswREZEyyDompQoj+5tsSMi3Y000Wi100h00HDgAAKiv
r8cnn3yC60ho3HbbbYiJicGdd97pfB7oPlMTGRnpLGAAYO7cudBqtfjkk08GfO+mpiaXm9wyU
kw480Rd2PzwrXjxgcY/PCtOPDkXSxgle505jRnWBMRqYqsRUxSUhLi4+ORn5+PS5cuWazYf
369fjq69gNnev03HmzBkAwLPPouHH34YxcXFMdp1KubMmeMcO2OxWBAdHe3y2oGBgTAYDLB
YLP2+97p166DX6523uLg40Q/NKUCrQdoNY7Fg8rVIu2EsLyGpwDetgpeTBHNERKQMshYxQUFB
ePfdd/HFF1/AYDAgLCwMe/fuRWZmpnO8i8PhAAA8+uij+PGPf4wpU6bghRdewIQJE/DXv/5ly
O+dn58Pq9XqvNXW1spyTKR+hrBgWXNERKQMSu+dNG3aNSXl8NqtCjmsyEqKgozZ850Xhoymb
ovvSQnJ7v83MSJE3H+/HkAgNFoRH19vcvzXV1daGhogNFo7Pd9dToddDqOaaC+Prc0C+duvzF
qmFtDRErYGbZlYvR6PaKiOlBdXY0jR45gwYIFAIDrrrsOsbGxOHXqlEv+iy++QEJCAgAgLS0N
jY2NOhr0qPP5PXv2wOFwYObMmcPVZPJtTzCuy5ojIiJl8PhMTetLC06fPu28XlNTg/LychgMB
sTHx2PLli2IiopCfHw8KioqsHLlSuTk5CA9PR0AoNFo8Pjjj60GoACpqamYPHkyXn/9dXz++e
f4+9//DqD7rEXGRgYefvhhvPzyy+js7MTy5cvxwAMP+GRmEq1b3JgwWXNERKQMHcxR44cwez
Zs53316xZAwBYsmQJNm7cCLPzjDVRlqCurg4mkwmLFy/G008/7fIaq1atQnt70lavXo2Ghgak
pqaipKQEN9xwgZPz5ptvYvny5ZgzZw60Wi3uu+8+/Nd//ddQj5NGsCRjuKw5IiJSBo+LmFmzZ
kGSBp6LumLFCqxYsWLQ1lm7dq3LOjG9GQwGvPXWW542j6iPhss2WXNERKQM3DuJ/B73viIi8k
8sYsjv9ex95Q73viIiUh8WMeT3ArQa3JPqf1Xle1JNXLiQiEhlWMSQ37M7JGz/zOw2s/0zM+w
O7jtARKQmLGLI7x2uaXDZtLM/Zms7Dtc0eKlFREQkBxYx5Pfpm90XMJ7miIhIGWTFdsDf2R0S
Dtc0oL65HdHh3YNBOZZC2Sj1QbLmiIhIGVjEeKC40ozCHVUulyZM+hAUZCcJi8X9wFHynZLP6
4Rzd06MHjxIRESKwMtJgoorzczddKzP2AqLtr25m46huNL9wFHynXMNYnsiIeaIiEgZWmqIsD
skFO6oQn9zV3oeK9xRxdktCpVgCJU1R0REysAiRsBgs1skcHaLkt090ShrjoiI1IFFjADOb1G
3xvZOWXNERKQMLGIEcO8ddWP/ERH5JxYxAnr23hloIrUG3HtHybh3EhGRf2IRIyBAQ0FBdjIA
9Clkeu4XZCdZvRiFctBqkHJthNtMyrUR7D8iIpVhESMoI8WEooVTYez1jd6oD0HRwqlcJ0bBb
F007D5Z7zaz+2Q9bF0OL7WiIiJkwMXuPJCRYsLdyUau2Ksyb5SdxWCz3x1Sd27p7dd7p1FERH
TVeCaG/N7Zi2KL2InmiIhIGXgmXgPcdkCtRBch5GKFRERqwjMxgrjtgHpNHhcpa46IiJSBRYw
AbjugbqMDAmTNERGRmRCIEcBtB9Tt1/86KwuiIiUgUWMAG47oG6XWSW2ExDNERGRmRCIEcB1
69UtMlRs/LpojoiI1IFFjABuO6BuY8PExrqI5oiISBlYxAjgtgPq9k2b2Eq8ojkiI1IGFjGcu
O2Aeo0dJXaZSDRHRETkwL/aHuC2A+p04VKbrDkiI1IGFjEeCtBqkHbDWF83gzzQYh07TCSaIy
IizeDlJPJ74TqxAbuiOSIiUgYWMet3Zt0YJWuOiIiUgUUM+bl6wUXsRHNERKQMLGLI7yUYQmX
NERGRmRCIib9390SjrDkiI1IGFjHk9xrbxS4TieaIiEgZWMSQ37tmtE7WHBERKQOLGPJ/ksw5
IiJSBBYx5Pe+ae2QNUdENBKJrk3vzTXsWcSQ34sODxk85EGoiGgkEi0YvF1YsIghvzcj0QCT3
n2BYtJ374NFREQDUOCpGBYx5PcCtBqkXBvhNpNybyQQ38iQicsMuOG5QNCcHbgDpIbtD4i7WKm
PrcmD3yXq3md0n62HrciA4KHU9EZFaSijxQHGLGYU7qmC2tjSfM+ldUJCdjIwUkw9bRu68UXY
WjkG+GTik7tzS26/3TqOIiFRGA7FJnBzYq0DF1WbkbjrmUsAAGMXajtXNxlBcafZRY2gw5xou
y5ojIhqJlLhaBYsYAXaHhMidVf12TM9jhTuqYB/s6z75RNYMF1zRESkDCxiBBYuaehzBuZKE
gCztr2Haxq81ygSlhQTLmuOiIiUgUWMgPrmgQuYoeTIuxrabLLmiIhIGVjECOBiaerG/iMi8k

8eFzGlpaXIzs5GbGwsNBonTm3b5vJ8XV0dHnroIcTGxiIsLAWZGRmorq7u97UkSUJmZma/r3P
+/HlkZWUHLcWm0dHRePzxx9HV1eVpc2XRsljaQCOuNeBiaUrGxe6IiPyTx0VMA2srUlNTsWHD
hj7PSZKENJwcnDlZBu+99x6OHZ+OhIQEzJ07F62trX3yf/jDH6DR9C0N7HY7srKyYLPZcPDgQ
bz++uvYuHEjnnnmGU+bK4sArQYF2ckA+k4d67lfkJ3M9WUiovdERH5J4+LmMzMTpznf/4nfv
CDH/R5rrq6GocOHUJRURGmT5+OCRMmoKioCG1tbdi8ebNLtry8HL/73e/w17/+tc/rfPDBB6i
qqSkMTZswefJkZGZm4rnnnsOGDRtgs/lm3EJGiglFC6fC2OsbvVEfgqKFU7lOjIJ5stgdERGp
h6yL3XV0d08CHBLy7Qe9VquFTqfDgQMHSgZZMgDA5cuX8f/+3//Dhg0bYDQa+7xOWVkBzrrpJ
sTExDgfmzdVhNjzc3HixAlMmTKl3/fueX8AaGpoku24emSkmHB3spEr9qoMF7sjIvJPsg7sTU
pKQnx8PPLz83Hp0iXYbDasX78eX33lFcZmbxeDW7l6NW677TysWLCg39exWCwuBQWA532LxdL
vz6xbtw56vd55i4uLk+moXAVoNUi7YSwWTL4WaTeMZQGjAlzsjoIP8laxAQFBeHdd9/FF198
AYPBgLCwMOzduxeZmZnQarvfavv27dizZw/+8Ic/yPnWym/Ph9Vqdd5qa2tlfX1SrwSD2CJ2o
jki1lIG2adYT5s2DeXl5WhsbITZbEZxcTEuXryI66/vPk2/Z88efPn114iMjERgYCACA7uvaN
13332YNWSWAMBoNKKurs7ldXvu93f5CQB00h0iIiJcbkQAsCjtOvQzftyFRtOdIyKi/sVFBsm
ak8OwrROj1+sRFRWF6upqHDlyxHnpaO3atfj3v/+N8vJy5w0AXnjhBbz22msAgLS0NFRUVKC+
/tvBmCULJYiIiEBYcvJwNZn8VIBWg9CgAlEz0KAAXhokInLD2iY2+UE0JwePB/a2tLTg9OnTz
vs1NTUoLy+HwWBafHw8tmzZgqioKMTXh6OioGlrV65ETk400tPTAXSfSenvbEp8fDwSExMBAO
np6UhoTsaiRYvw29/+FhaLBU899RTy8vKg0+mGeqW0Qh2uacBlm91t5rLNjsMLDui7YayXWkV
EpC4dgjM4RXNy8LiIOXLKCGbPnu28v2bNGgDAkiVLsHHjRpjNZqxZswZldXUwmUxYvHgxn76
aY/eIyAgAdt37kRubi7S0tIwatQoLFmyBL/85S89bS4Rt40gIpKBPjQQ9S2dQjlv8fidZs2aB
UkaEL7qihUrsGLFC0es7/XS0hIwK5duzxtHlEf14wSO3snmiMiGolM+hChImawFdLlXL2TyP
+JDnXhkBgiIjeU98eURQz5vW9aOgYPeZAJIhqJ6lvEVswXzcmBRQz5Pe5iTUR09aLDxaZOi+b
kwCKG/B53sSbyvdhwsY8b0Rx535iwYfLzcuC/FvJ7AVoN7kl1v0HnPkmrhNDNIwud7lfg8nT
HHmfuUnsMpFoTg4sYsjv2R0Stn9mdpvZ/pkZ9sF2iSSfUd5wQvLUMFCx4kQ0R953reCsI9GcH
FjEkN87XNMAs9X9GjBmazs01zR4qUXkqTDBzzXRHHmfdrC9PzzMkfeNFRzrIppTA4sY8ntc7E
790gXPysYjmyPsuXu6SNUfeZ7GKXSYScznBe8vq+Qm7Q8LhmgBUN7cjOrx7MCjHUIgbZyepn04
rYZCdI5w5UqZrRgehsW3whdKuGe29b/HkmbgxobLm5MAixgPflWYU7qhyuTRh0oegIDsZGSnu
B46S7/TMTrJY29HfR5wGgJGzKxStU9IA/fZefzlSoilxktj99WWhHClT/JgwWXYN40UkQcWVZ
uRuOtZnbIXF2o7cTcdQX0l+4Cj5ToBWg4Ls7t3Pe3/E9dwvyE7mGTUF6+gSO8MimiPvszQLXo
oQzJH3XWgSu+QumpMDixgBdoeEwh1V/X4P7HmscEcVZ7coWEaKCUULp8LYa9S8UR+CooVTeSZ
N4YIF/1KJ5sj7YiPe9iYTzZH3xQmeYRHNYGXkwQMNrtFwrezW9JuG0u9hpFHM1JMuDvZyDFN
KuRwyJs7/uiVlnWHLfKjFclpwcWMQI40wW/xGglbDQVCHR+Sqc16JcFsEF0ErZ5H0N18X6R
jQnBxYxAq4ZJXZ6UzRHvsPZZeoUCGDweS38g6ZkhhAtzFaxHClThe7sN0w0Jwf+zovgcqF+gb
PL1EtwchI4OUm5Pq8ffGaSJznyvjCpNxPoz4YM8yt6caSV8A3LR2y5sj7OLtM3UQnHXfyknL
ZBftGNEfeV3tJbMiEae4OLGIEcLE0dePsMvUT3U2AuW4oF09oq98YwY840ZwcWMQI6FksbaBf
Lg26L0twsTRL8mR2GSMTwGK9HuXI+0S/IvCrhHIdOS82c0w0JwcWMQK4WJq6cXYZEdHV6xJcw
ka0JwcWMYK4WJp68XIgEdHVEy0YvFlYcHaSB7hYmjpx7yQioqsXEgiIbDIe4sXKgkWMh7hYmv
r0XA7M3XQMwVfq8nIgEZGYDsFBZ6I5OfBykofabHY8va0Ci/77Ezy9rQJtNg4lVIOey4HR4cE
uj0eHB/NyIBGRANGzHt4808IzMR54+H8+RULVvFP+R9XAG4f04+7kaLy6eLoPW0Yijp+/hK9b
XJfD/rrFhuPnL7GIISIaRifglDHRnBx4JkZQ7wLmSiVV9Xj4fz71covIE+t2VeGV0hr0XgrGI
QGvlnZg3a4q3zSMiIiGjEWMgDabfcACpkdJVT0vLSmUrcuBVz+qcZt59aMa2Lw5L5CIiK4aix
gBvxb8li6aI+96o+xsnsMwvTmk7hWREakHixgBZy+KbUgmMiPvOtcgli+iOSIiUgYWMQKuGxs
ma468K8Egli+iOSIiUgYWMQJ+MT9Z1hx516K06zDYEjBaTXeOiIjUg0WMgNDgANYdHO02c3dy
NEKDuYeuEgUHajFnovv+mzMXGsGB/HUGlIT/tUW9Ori6QMWMlwnRtnsDgmV/9vknLP5v02wD
zb6l4iIFIWL3XnglCXT0Waz49e7qnD24mVcNZYMv5ifzDMwCne4pgFmq/sdqs3WdhyaecWEk
REKsIixkPBgVrMvynWuQEKL0Eo34XGN1lZRESKDCxiPFBcaUbhjiqXb/UmfQgKsp05bL2Cldd
eEs7dn23cMLEGiIjkwTMIgoorzczddKzPZQmLtr25m46huNLso5YRERGNtCxiBNgdEgp3VKG/
YZ89jxXuqOLAUlWKN4ySNUdERMrAikbAYANDJXw7MJSUJ8kYLmuOiiIiUgUWMgPpm9zNbPM2Rd
zVctsmAiYIiZWARIyA6PETWHHnXNaN1suaIiEgZWmqImJFogEkfgoFWrtege5bSjESDN5tFok
SHKnFIExHRGERXRPmymksYgQEaDUoy07eF6l3IdNzvyA7GQGDdbdBdPvFNa4esOSKikcghc04
OLGIEZaSYULRwKox610tGRn0IihZO5ToxCMYIDZY1R0Q0EgUJfk8XzcmBi915ICPFhLuTjThc
0+BcsXdGooFnYBTu87pm4dztE6KGuTVEROpke7zklpQTAA4sYDwVoNdxfr2VqL12WNUdERMrAy
Onk9xIMYbLmiIhIGTwYkpLS5GdnY3Y2FhoNBps27bN5fm6ujo89NBdiI2NRVhYGDIyMlBdXe
18vqGHAT/72c8wYcIEhIaGiJ4+HitWrIDVanV5nfPnzyMrKwthYWGijjo7G448/jq6urqEdJY1
oi9Kuw2BX/LSa7hwREFVP9NKNNy/xeFzEtLa2IjU1FRs2bOjznCRJyMnJwZkzZ/Dee+/h+PHj
SEhIwNy5c9Ha2goAuHDhAi5cuIDnn38elZWV2LhxI4qLi7F06VLn69jtdmRlZcFms+HgwYN4/
fXXsXHjRjzzzDNXcag0UgUHahFnCHWbiTOeckdyIiI37DLn5OBxwZSZmYnMzMx+n6uursahQ4
dQWVmJSZMMAQCKIopgNBqxefNmLFu2DCkpKfjHP/7h/JkbbRgBv/rVr7Bw4UJ0dXUhmDAQH3z
wAaqqqvDhX8iJiYGkydPxNPPPYcnn3wSzz77LIKDFteLxO6QOLBXZdpsdpy72OY2c+5iG9ps

doQGe3OFAyIi9dBABDktb34iyvrVs6Oje52NkJBvpyFrTvroDdocOHBgwJ+zWq2IiIhAYGB3T
VVWVoabbroJMTExzsy8efPQ1NSEYdODPjeTU1NLje5FVea8b31e/CjVw9h5dvl+NGrh/C99X
u4g7XC/XpXlaw5IqKRYO/XiUlKSkJ8fDzy8/Nx6dIl2Gw2rF+/H1999RXM5v4/6L/55hs899x
zeOSRR5yPWSwWlwIGgPO+xWLP93XWrvShvV7vvMXFxc10VN2KK83I3XSsz0aQFms7cjcYyGj
YGcvIs06Es0REZEyyFrEBAUF4d1338UXX3wBg8GASLAW7N27F5mZmdBq+75VU1MTsrKykJycj
Gefffaq3js/Px9Wq9V5q62tvarXu5LdIaFwR1W/p9F6HivcUQW7g+vWK9F1Y8VmHYnmIhIGW
QfyThT2jSU15ejSbERZrMZxcXFuHjxIq6//nqXXHNzMzIyMhAeHo6tW7ciKCjI+ZzRaERdXZ1
LvUE+0Wjs93110h0iIiJcbnI5XNPQ5wzM1SQAZms7Dtc0yPaeJJ9fzE+WNuDERMowbNMx9Ho9
oqKiUFldjSNHjMDBggXO55qampCeno7g4GBs377dZQwNAKSlpaGiogL19fXOx0pKShAREYHkZ
09/0NQ3D1zADCVH3hUaHICEse5nJyWMDewgXiIilfF4d1JLSwtOnz7tvF9TU4Py8nIYDAbEx8
djy5YtiIqKQnx8PCoqKrBy5Urk5OQqPT0dwLcFzOXL17Fp0yaXQbhRUVEICAhAeno6kpOTsWj
RIvz2t7+FxWLBu089hby8POh0OpkOXZwhTHDvHcEceZety4HaBvezk2ob2mDrcnCaNRGRinhc
xBw5cgSzZ89231+zZg0AYMmSJdi4cSPMZjPwRfmDuro6mEwmLF68GE8//bQzf+zYMXzyyScAg
PHjx7u8dk1NDA677joEBARg586dyM3NRVpaGkaNGoUlS5bgl7/85ZA08mp9bhGb6fS5pQm338
i9d5TmjbKzGGY4kkPqzi29/Xr3QSiIuGyPi5hZs2ZBkgb+RfixYgVwRfgx5J/vkZCQgF27dnn
avGFRe8n9t3hPc+Rd5xrEZh2J5oiISB147lwa995RN/YfEZF/YhEjgHvvqBv7j4jo6omOSPXM
yFUWMQKCA7WYMzHabWbOxGgOC1Uo9h8R0dXrEtxPQDQnB/7VFmB3SKj8X/eDeyv/t4mL3SkU+
4+I6Or5xS7WI9Fgi90BXOxOydh/RERXr0Pwe55oTg4sYgRwsTt1Y/8REfknFjECosNDBg95kC
PvYv8REfknFjECZiQaYNKHYKcxShoAJn0IZiQavNksEst+I/K9RIPYiuaiOfI+jolRqQCtBgX
Z3Xs29f4g7LlflkJ2MgMHm8ZJPsP+IfK/dLvZxI5oj77PLnJMD/7UIykgxowjHVBj1rpccjPoQ
FC2ciowUk49aRiLYf0S+FRki9nEjmiPv0wmeYhHNycGbZ31ULyPFhLuTjThc04D65nZeh3dfg
uA3eHVg/6mXBODiHaf2pHKdrBPb1kM0R94Xod0ivcsh1PMWFjEeCtBqkHbDWF83g4bI7pBQdc
GKcw2XkWAiw7SEMSxiVEB0xiZX+iEaPk2Cc6dFc3JgEUMjxrpDVXj1oxqXHa1/teskHr49Efn
zk33XMCiIfeJoEitORHNY4MVHGhHW7arCK6WuBQWAOCTgldIarNtV5ZuGERGphGjB4M3CgkUM
+T1blwOvflTjNvPqRzWwCVzrJSIaqUYHi116F83JgUUM+b03ys72OQPTm0PqzHERUf+abWKXi
URzcmARQ37vXIPYbAfrHBHRSCR6rtqb57RZxJDfSzCEyZoJiIjLYBFDfm9R2nUYbBa1VtOdI6
LhESRzjghgEUMjQHCgFg/fnug28/DtiQgO5K8D0XBxCI71FM0RAVwnhkaInnVgeq8To9WA68Q
QeQNXLKRhwCKGRoz8+cn4eXoS3ig76lyxd1HadTwDQ+QFStw8kNSPRQyNKMGBWiy9/XpfN4OI
iGTaIsZDdofEDQRVjP1HROQ/WMR4oLjSjMiDvTBb252PmfQhKMhORkaKyYctIxHsPyIi/8LBA
IKKK83I3XTM5QMqACzWduRuOobiSrOPWkYi2H9ERP6HRYwAu0NC4Y6qfgfN9zxWuKMK9sHWti
efYP8REfknFjECDtc09PkGfyUJgNnajsM1Dd5rFAlj/xER+ScWMQLqmwf+ABxKjryL/Ude5J9
YxAiIDg+RNUfexf4jIvJPLGIEzEg0wKQPuUATcTXonuUYI9HgZwaRoJ7+c4f9R0TkXrBgxSCa
kwOLGAEBWg0KsruXpe9dyPTcL8h05nojChWgladL7n5z+C67g/1HRORGp/s/ox7n5MAiRlBgi
glFC6fC2OsbvVEfgqKFU7nOiIJZL3fi6xab28zXLtZYL3d6qUVEROoTJPg9TzQnBy5254GMFB
PuTjZyxVeV+cnGw8K5f/z0u8PcGiIidbIJrkIhmpMDixgPBWg1SLthrK+bQR644GZ69VByRES
kDLycRH7PpNfJmiMiImVgEUN+L+/O8bLmiMhzYYKfNqI5IoBFDI0ALZ12WXNE5LkujdjYQdEc
EcAihkYALnZH5HthglNWRHNEAIsYGG42B2R73V2iS0eIpoj7xsbKlZgiubkwCKG/F6AVoN7U
t2v43NPqolT5YmGUBvg1VrRHHlfW5dYyScakwOLGPJ7doeE7Z+Z3Wa2f2aG3eHFxQ2IRpiQQ
EvCaI58r6IELG+Ec3JgUUM+b3DNQ0wD7IGjNnajsM1DV5qEdHIEuUtoSBaI58QbQ4YRFDJJv
6ZrFF7ERzROS5xjax60SiOfK+pnax8UqiOTLwxV4P2R0StxlQGc50IvK9saOCNg2+P5kY0cF
eaE1NBSRoYG4LLAURWSo90oLFjEeK40o3BHlculCZM+BAXZydwAusF6ZidZrO3ob9SLbt0be
XJ2knIFAUGszJEyORxiZ1hEc+R9Y0cF4kJTh1DOW3g5SVBxpRm5m471GVthtrYjd9MxFFE6Hz
hKvhOglaAgO9ltpiA7mWfUFewS7BrRHHnfpTaxSwyiOfK+by6LFZiiOTmwiBFgd0go3FHV77d
4AJAAFO6o4uwWBctIMEGRoxLRu07RaoBH7kjkmTSCxb8SyWaI+8bMypAlhx5X/RosTMsojk5
ePwrXlpaizsbMTGxkKj0WDbtm0uz9fV1eGhnx5CbGwsWsLcKJGRgerqapdMe3s78vLYMHbsW
IwePRr33Xcf6urqXDLnz59HVLYWwsLCEB0djccffxxdXSInLOXH2S3qVlpxxp9La9C7zpQk4M
+lNTyTpnCiXw/4NULBRE+w8ESMYo0ZJTZuUDQnB4+LmNbWVqSmpmLDhg19npMkCTk50Thz5gz
ee+89HD9+HakJCZg7dy5aW1lududWrV2PHjh3YsmUL9u/fjwsXLuDee+91Pm+325GVlQWbzYaD
Bw/i9ddfx8aNG/HMM88M8TCvzoVL12XNkXe505PW8xjPpCkbF0pTv/MNYrP/RHPkfWcvtsiak
4PH53wyMzORmZnZ73PV1dU4dOgQKisrMWnSJABAUVERjEYjNm/ejGXLLsFqteK//u/8dZbb+
Guu+4CALz22muYOHEiDh06hFtvvRUffPABqqqq8OGHHyImJgaTJ0/Gc889hyeffBLPPvssgoO
D+7x3R0choJq+HXDU1NTk6aENqPyrRuHcfbfEYfa+JI/BzqRJ+PZMWtoNY73XMKIRRLS+ZB2q
XOcuihWYojk5yHoFuaeICAN59lSSVquFTqfDgQMHAABHjx5FZ2cn5s6d68wkJSUhPj4eZWV1A
ICysjLcdNNNiImJcWbmZuHqpYmnDhxot/3XrduHfR6vfmWFydnMaG8BX5IHNeJISK6ekq8rC
trEdNTjOTn5+PSPuUw2WxYv349vvrqK5jN3WMOLBYLgoODERkZ6fKzMTEsxFgszsyVBuZp8z3
P9Sc/Px9Wq9V5q62t1e24rhsbJmuOvIvrxBARXTldgNgXddGcHGQtYoKCgvDuu+/iiy++gMFg
QFhYGPbu3YvMzExotcM7bUCn0yEiIsLlJpdFadflmdXSm1bTnSp16VknZqAulIC7WCvdSz+4W
dYced87y9JkzZH3Fa+8U9achGSvLKZNm4by8nI0NjbCbDajuLgYfy9exPXXXw8AMBqNsnlsag

xsdPm5uro6GI1GZ6b3bKWe+z0Zbwo01OLh2xPdZh6+PRHBgZzfQURXrhPTu5Dpuc91YpTt+zP
FLg+L5sj7ZowX+5IgmIPvS4weJfSFPjF61HcahGFcJ0av1yMqKgrV1dU4cuQIFixYAKC7yAkK
CsLu3bud2VOnTuH8+fNIS+uuwNPS01BRUYH6+nnpnqSkBBEREUhOdr9o2XDJn5+MRwdYZ+TRO
xKRP9837SiXGSkmFC2cCqPe9ZKRUR+CooVTuU6MCpz9TdZVPU++xz5UvzPrsgYsZLSa7ue9SS
NJkkdjcFpaWnD69GkAwJQpU/D73/8es2fPhsFgQHx8PLZs2YKoQcJEx8ejoQICKleuxLRp0/C
Pf/zD+Rq5ubnYtWsXNm7ciIiICPzsZz8DABw8eBBA9xTryZMnIzY2Fr/97W9hsViwaNEiLFu2
DL/+9a+F2tnU1AS9Xg+r1SrrpSVblwNvlJ3FuYbLSDCEYVHadTwDoyLc+0r9dn5Si+Vb/+28/
9IPbuYZGJU5fLoBP/xLmfP+O8vSeAZGZWrgW5Hx4n502CXoAjQoXnmnbGdgPPr8ljy0d+9eCd
2Dj11uS5YskSRJkl588UVp3LhxUlBQkQfHy899dRTUkdHh8trtLW1ST/96U+1MWPGSGFhYdI
PfvADyWw2u2Tonj0rZWZmSqGhodI11lwj/fznP5c6OzuF22m1WiUAktVq9fQQiYiIyEc8+fz2
+EyMWgzXmRgiIiIaPp58fvM6CBEREakSixgiIiJSJRYxREREPeEosYoiIiEiVWMQQERGRKrGI
SIiIlViEUNERESqxCKGiIiIVCnQ1w0YLj1r+DU1Nfm4JURERCSq53NbZC1evylimpubAQBxcd
xThYiISG2am5uh1+vdZvx22wGHw4ELFY4gPDwcGo28G/w1NTUhLi40tbW1frmlAY9P/fz9GH1
86ufvx+jvxwcM3zFKkoTm5mbExsZCq3U/6sVvz8RotVqMGzduWN8jIiLCb/9xAjw+f+Dvx8jj
Uz9/P0Z/Pz5geI5xsDMwPTiwl4iIiFSJRQwRERGPeouYIdDpdCgoKIBOp/N1U4YFj0/9/P0Ye
Xzq5+/H6O/HBYjJGP12YC8RERH5N56JISIiIlViEUNERESqxCKGiIiIViLFBBEREakSixgiIi
JSJRYxvZSWliI7OxuxsbHQaDTYtm3boD+zb98+TJ06FTqdDuPHj8fGjRuHvZ1Xw9Nj3LdvHzQ
aTZ+bxWLxToM9sG7d0kyfPh3h4eGIjo5GTk4OTp06NejPbdmyBU1JSQgJCcFNN92EXbt2eaG1
QzOUY9y4cWof/gsjCfFSiz1TVFSEm2++2bkKaFpaGv75z3+6/Rk19R/g+TGqqf/685vf/AYaj
QarVq1ym1NbP/YQOT619eGzzz7bp71JSUluF8YX/ccippfW1lakpqZiw4YNQvmamhpkZWVh9u
zZK8vx6pVq7Bs2TL861//GuaWdp2nx9jj1K1TMJvNzlt0dPQwtXDo9u/fj7y8PBw6dAglJSX
o7OxEeno6WltbB/yZgwcP4kc/+hGWL12K48ePIycnBzk5OaisrPRIy8UN5RiB7qXBr+y/c+fO
eanFnhk3bhx+85vf40jRozhy5AjuuusuLfiwAcDOnOg3r7b+AzW/RkA9/dfbp59+ildeeQU33
3yz25wa+xEQPz5AfX04adIk1/YeOHBgwKzP+k+iAQGQtM7d6jbxzBNPSJMmTXJ57P7775fmzZ
s3jC2Tj8gx7t27VwIgXbp0ySttklN9fb0EQNq/f/+AmR/+8IdSVlaWy2MzZ86UHn300eFunix
EjvG1116T9Hq99xolszFjxkh/+ctf+n107f3Xw90xqrX/mpubpe985ztSSUmJdOedd0orV64c
MKvGfvTk+NTWhwUFBVJqaqpW3lf9xzMxV6msrAxz5851eWzevHkoKyzvUYuGz+TJk2EymXD33
Xfj448/9nVzhFitVgCAwWAYMKP2PhQ5RgBoaWlBQkIC4uLiBv3WrxR2ux1vv/02WlbtbKaW1m
9G7f0ncoyAOvsvLy8PWVlZffqnP2rsR0+OD1BfH1ZXVyM2NhXX389HnzwQZw/f37ArK/6z29
3sfYWi8WCmJgYl8diYmLQ1NSEtrY2hIaG+qhl8jGZTHj55Zdxxy23oK0jA3/5y18wa9YsfPLJ
J5g6daqvmzcg8OBVatW4bvF/S5SULIGzA3Uh0oc89Ob6DFOmDABf/3rX3HzzTfDarXi+eefx
2233YYTJ04M+27vQ1FRUYG0tDS0t7dj90jR2Lp1K5KTK/vNqrX/PDlGtFuFALz99ts4duwYPv
30U6G82vrR0+NTWx/OnDkTGzduxIQJE2A2m1FYWIjbb78dlZWVCA8P75P3Vf+xiKFBTZWgARM
mTHDev+222/Dl11/iHRdewBtvvOHDlrmXl5eHyspKt9dx1U70GNPS0ly+5d9222YOHEiXnnl
FTz33HPD3UyPTZgwAeXl5bBarfj73/+OJUuWYP/+QN+yKuRJ8eotv6rra3FypUrUVJSoujBq
0M1lONTWx9mZmY6//vmm2/GzJkzkZCQGhfeeQdLly71YctcsYi5SkajEXVldS6PlDXVISIiwi
/OwgxkxowZii40li9fjp07d6K0tHTQbzkd9aHRAbZ0Jl41T46xt6CgIEyZMgWnT58eptZdneD
gYIwfPx4AMG3aNHZ66ad48cUX8corr/TJqrX/PDnG3pTef0ePHkV9fb3LmVq73Y7S0lK89NJL
60joQEBAgMvPqKkf3J8vSm9D3uLjIzEjTfeOGB7fdV/HBNzldLS0rB7926Xx0pKstxe2/YH5
eXlMJlMvm5GH5IkYfny5di6dSv27NmDxMTEQX9GbX04lGPSzW63o6KiQpF92B+Hw4GOjo5+n1
Nb/w3E3TH2pvT+mzNnDioqKlBeXu683XLLXjwwQdRXl7e7we8mvpXKMfXm9L7sLeWlhZ8+eW
XA7bXZ/03rMOGVai5uV6k6fvy4dPz4cQmA9Pvf/146fvy4d07cOumsJGnt2rXSokWLnPkzZ85I
YWFh0uOPPy6dPHlS2rBhgxQQECAVfx76hAG5ekxvvDCC9K2bduk6upqqaKiQlq5cqWk1WqlD
z/80FeHMKDc3FxJr9dL+/btk8xms/N2+fJlZ2bRokXS2rVrnfC//vhjKTAWUhr++eelkydPSg
UFBVJQUJBUUVHhi0MY1FCOSbCwUPrXv/4lffn119LROelBx54QAoJCZFOnDjhi0Nwa+3atdL
+/fulmpoa6d//re0dulaSaPRSB988IEkServP0ny/BjV1H8D6T17xx/68UqDHZ/a+vDnP/+5
tG/fPqmmPk6+OOPblz50rXXHONVF9fL0mScvqPRUwvPdOJe9+WLFkiSZIkLVmyRLrzzjv7/
MzkyZ0l4OBg6frrr5dee+01r7fbE54e4/r166UbbrhBCgkJKQwGgzRrlixpz549vmn8IPo7Lg
AufXLnnXc6j7XHO++8I914441SchCWNgNsjOn999/3bsM9MJRjXLVqlRQfHy8FBwdLMTEx0vz
586vjx455v/ECfvKTn0gJCQlSchCWFBUVJc2ZM8f54S5J6u8/SfL8GNXUfwPp/SHvD/14pcGO
T219eP/990smk0kKdg6Wrr32Wun+++XTp8+7XxeKf2nkSRJGt5zPURERETy45gYIiIiUiUWM
URERKRKLGIiIhIlVjEEBERkSxciEiIiJVYhFDREREqsQihoiIiFSJRQwRERGPeEosYIiIiUi
UWMURERKRKLGIiIhIlf4/Y+p8n5mJdrMAAAAASUVORK5CYII=\n"

```
    },  
    "metadata": {}  
  }  
]  
},
```

[illegible]

FV24DoMAVGJUYiQC5zd7OIiMhHMcmhTpFTWoGVO8tQoW0wHotVKrB8chLSBse6sWVEROSrOFx
FHS6ntAILthSbJDgAoNE2YMGWYuSUVripZURE5MscTnLy8vIwefJkxMXFQSaT4dNPPzWea25u
xuLFizFkyBB07doVcXFxeOyx3D58mWTe1RXVyM9PR3h4eGIiIhArkYGr1+/bhJz7NgxjBs3D
gqFAvHx8Vi9enWbtmzbtg0DBw6EQqHAKCFDsHv3bkc/DnWwFr2ElTvLIFk4Zzi2cmcZWvSWIo
iIiJzncJJTVleHoUOHYv369W30ldfXo7i4GC+99BKKi4uxfft2nDp1Cg8//LBJXHp60k6cOIH
c3Fzs2rULeXl5mDdvng8TqfDhAkTkJCQgKKiI rz++utYsWIFNm7caIw5ePAgZs6ciYyMdBw9
ehRTpkzBlClTUfpa6uhHog50qLy6TQ90axKACm0DDpVXd16jiIjIL8gkSXL6n9AymQw7duzAl
ClTrMYcPnwYo0aNwvnz59GrVy+cPHkSSULJOHz4MEaOHAKAyMnJwcSJE3Hp0iXExcVhw4YNeO
GFF6DRaBACHAwAWLJkCT799FN8//33AIDp06ejrq4Ou3btMr7X6NGjMWzYMG RNZwulX6ftQal
UQqvVIjw83MlvGwz5rORHPLWlxG7cuhnd8Miw2zu+QURE5PVEf787fE6OVquFTCZDREQEACA/
Px8RERHGBACAULJSIJfLUVhYaIwZP368McEBgNTUVJw6dQrXrl0zxqSkpJi8V2pqKvLz8622p
bGxEtQdzURFHSS6TOHSOCIiIEdmuQ0NDRg8eLFmDlzpJHT0mg0iI6ONokLDAXEZGQkNBqNMS
YmJsYkxvC3vRjDeUuysrKgVCqNr/j4+PZ9QLJrVGikYpUKWFsoLsOtVVAjEiM7s11EROQHoiZ
JaW5uxq9//WtIkoQNGzZ01Ns4ZOnSpdBqtcbXxYsX3d0knxcgl2H55CQAaJPoGP5ePjmJ++UQ
EZHLdUiSY0hwzp8/j9zcXJPxMpVKhaqqKpP4mzdvorq6GiQVyhhTWVlpEmp4216M4bwlISEhC
A8PN3lRx0sbHIsNs4ZDpTQdklIpFdgwazj3ySEiog7h8s0ADQnODz/8gH379iEqKsrkvFqtRk
lNDYqKijBixAgAwN69e6HX65GcnGyMeeGFF9Dc3IygoCAAQG5uLgYMGIDu3bsbY/bs2YNFixY
Z752bmwulWu3qj0QukDY4Fg8kqbjjMRERdRqHk5zrl6/j9OnTxr/Ly8tRUlKCYMhIXMbG4le/
+hWKi4uxa9cutLS0GOFiREZGIjg4GIMGDUJaWhrmzp2L7OxsNDc3Y+HChZgxYwbi4uIAAI8++
ihWrlYJjIwMLF68GKWlpVi3bh3Wrl1rfN+nnoK99xzD9asWYNJkyZh69atOHLkiMkyc/IsAX
IZ1H2j7AcSERG5guSgffv2SbilvYnJa86cOVJ5ebnFwcCkffv2Ge9x9epVaebMmVK3bt2k8PB
w6fHHH5dqa2tN3ue7776Txo4dK4WEHei333679Nprr7VpyyeffCLdccccUnBwsHTnnXdKX3zx
hUOfRavVSgAkrVbr6NdAREREbiL6+92ufXK8HffJISiI8j4es08OERERkTswySEiIiKfxcSHi
IiIfBKTHCIiIvJjJTHKIiIjIjZHJISiIiP/EJIEiIiH8EpMcIiIi8klMcoiIiMgnMckhIiIin8
Qkh4iIiHwSkxwiIiLySUxyiIiIyCcxySEiIiKfxcSHiIiIfBKTHCIiIvJjJTHKIiIjIjZHJISI
iIiP/EJIEiIiH8EpMcIiIi8klMcoiIiMgnMckhIiIin8Qkh4iIiHwSkxwiIiLySUxyiIiIyCcxy
SEiIiKfxcSHiIiIfBKTHCIiIvJjJTHKIiIjIjZHJISiIiP/EJIEiIiH8EpMcIiIi8klMcoiIi
MgnMckhIiIin8Qkh4iIiHwSkxwiIiLySUxyiIiIyCcxySEiIiKfFOjuBpD3adFLOFRejaraBk
SHKTAqMRIBcpm7m0VERGSCSQ45JKe0Ait3lqFC22A8FqtUYPnkJKQNjnvjy4iIiEw5PFyVl5e
HyZMnIy4uDjKZDJ9++qnJeUmSsGzZMsTGxqJLly5ISUnBDz/8YBJTXV2N9PR0hIeHIyIiAhkZ
Gbh+/bpJzLFjxzBu3DgoFArEx8dj9erVbdqybs2DBw4EAqFAkOGDMHu3bsd/TjkgJzSCizYU
myS4ACARTuABVuKkVNa4aaWERERteVwklNXV4ehQ4di/frlFs+vXr0ab775JrKzslFYWIiuxb
siNTUVDQ0//TCmp6fjxIkTyM3Nxa5du5CXl4d58+Yzz+t0OkYMAEJCQkoKirC66+/jhUrVmD
jxo3GmIMHD2LmzJnIyMjA0aNHMWXKFEyZMgWlpawofiQS0KKXsHJnGSQL5wzHVu4sQ4veUgQR
EVHnk0mS5PSvkkwmw44dOzBlyhQAt3px4uLi8Oyzz+L3v/89AECr1SImJgabN2/GjBkzcPLkS
SQlJeHw4cMYOXIkACAnJwcTJ07EpUuXEBcXhw0bNuCFF16ARqNBcHAWAGDJkiX49NNP8f333w
MApk+fjrq6OuzatcvYntGjR2PYsGHIzs4War9Op4NSqYRWq0V4eLizX4NfyD9zFTM3FdiN+/v
c0VD3jbJ4jnN5iIjIFUR/vl26uqq8vBwajQYpKSnGY0qlEsnJycjPzwcA5OfnIyIiwpjgAEBK
SgrkcjKcWuNMePHjzcmOACQmpqKU6d04dq1a8aYlu9jiDG8jyWNjY3Q6XQmLxJTVdtgP8hGX
E5pBcau2ouZmwrwlNYSzN XuGLGr9nKi4iIOoxLkxyNRgMAiImJMTkeExNjPKfRaBAadHWlyPj
AwEJGRkSYxlu7R+j2sXRjOW5KVlQWlUml8xcfHO/or/VZ0mMLpOM7lISiId/CrfXKWLl0KrVZ
rff28eNHDtFiAoXijEatUwNrgkgy3VlMNSow0Oc65PERE5C4uTXJUKhUAoLKy0uR4ZWWl8ZxK
pUJVvZXJ+Zs3b6K6utokxtI9Wr+HtRjDeUtCQkIQHh5u8iIXAXIZlk90AoA2iY7h7+WTk9rMs
TlUXt2mB6clCUCFtgGHYqtdl1giIiK4OMlJTEyESqXCnj17jMd0Oh0KCwuhVqsBAGq1GjU1NS
gqKjLG7N27F3q9HsnJycaYvLw8NDc3G2Nyc3MxYMAAdO/e3RjT+n0MMYb3IddLGxyLDboGQ6U
0HZJSKRXYMGU4xXlY2juXh4iIyFkObwZ4/fp1nD592vh3eXk5SkpKEBkZiV69emHRokV49dVX
0b9/fyQmJuKl115CXFyccQXWoEGDkJaWhrlz5yI7OxvNzc1YuHAhZsyYgbi40ADAo48+ipUrV
yIjIwOLFy9GaWkplq1bh7Vr1xrf96mnnsI999yDNWvWYNKkSdi6dSuOHDlissycXC9tcCzuGx
iDv+Wfw/ngeiREhmK2ujeCAy3ny+2Zy0NERNQeDi8h379/P37xi1+0OT5nzhxs3rwZkiRh+fL
l2LhxI2pqajB27Fi8/fbbu00004yx1dXVWLhwIXbu3Am5XI5p06bhZTffRLdu3Ywx44dQ2Zm
Jg4fPowePXrgySefxOLFi03ec9u2bXjxxRdx7tw590/fh6tXr8bEiROFPwUXkdV00R2PW/QSx
q7aC422weK8HBlu9QR9u/g+LicnIiIhor/f7donx9sxyXGMYZWU+QNjSE2sDvKZrgNgcq2964
iIiCxxyz455Lvas0rKmbk8RERE7cUCnSTEKVVSlN8ThsciweSVNzxmIiIOg2THBLiilVSAXK
ZlZlPRERERSbKhLCVVJERORTmOSQEGd3PCYiInIXJjkkXNkdj4mIiNyFSQ4J4yopIiLyJpx4
TA7hKikiIvIW7MkhIiIin8SeHHKIo2UdiIiI3IU9OSTMUJ7BfFNAjbyBC7YUI6e0wk0tIyIia
otJDglpTlkhIiIid2CSQ0IckEtAREtkCZjkkBBXlHUGiIiLqTExySAjLOhArkbdhkkNCWNabiI
i8DZMcEsKyDkRE5G2Y5JAwlnUgIiJvws0AySEs60BERN6CSQ45LEAug7pvlLubQUREZBOHq4i
IiMgnMckhIiIin8ThKnJYi17inBwiIvJ4THLIiAxCTkRE3oLDVSSMVciJiMibMMkhIaxCTkRE

3oZJDglhFXIiIvI2THJICKuQExGRt2GSQ0JYhZyIiLwNkxwSwirkRETKbzjkkBBWISciIm/DJ
IeEsQo5ERF5E24GSA5hFXIiIvIwTHLIYaxCTkRE3oDDVUREROSTmOQQERGRt2KSQ0RERD6JSQ
4RERH5JE48Joe16CWuriIiIo/HJiccklNagRWfn4BG12g8pgOPwYqH7+Q+OURE5FFcPlzV0tK
Cl156CYmJiejSpQv69u2LV155BZIkGWMkScKyZcsQGxuLL126ICULBT/88IPJfaqrq5Geno7w
8HBEREQgIyMD169fN4k5duwYxo0bB4VCgfj4eKxevdrVH4daySmtwPwtXSYJDgBodI2Yv6UYO
aUVbmoZERFRWy5PclatWoUNGzbgrbfewsmTJ7Fq1SqsXr0af/nLX4wxq1evxptvvons7GwUFh
aia9euSE1NRUPDTxWs09PTceLECeTm5mLXrl3Iy8vDvHnzjOd1Oh0mTJiAhIQEFBUV4fXXX8e
KFSuwceNGV38kwq0hqiXbj9uMWbL9Ofr0ks0YIiKiZiKTWnexuMBDDz2EmJgYvPfee8Zj06ZN
Q5cuXbBlyxZIKoS4uDg8++yz+P3vfw8A0Gq1iImJwebNmzFjxgyCPHkSSULJOHz4MEaOHAKAy
MnJwcSJE3Hp0iXExcVhw4YNeOGFF6DRaBACHAwAWLJKCT799FN8//33Qm3V6XRQKpXQarUIDw
935dfgc/75wxWkv1doN+7DjGSM6d+jElpERET+SvT32+U9OT//+c+xz88e/Otf/wIAfPfdd/j
222/x4IMPAGDKy8uh0WiQkpJivEapVCI5ORn5+fkAgPz8fERERBgTHABISUmBXC5HYWGhMWb8
+PHGBACAUlNTcerUKVy7ds1i2xobG6HT6UxeJCb/7BWxhEREXU01088XrJkCXQ6HQYOHIIaG
AC0tLTgD3/4A9LT0wEAGo0GABATE2NyXUXmJPGcRqNBdHS0aUMDAxEZGwKSk5iY2OYehnPdu3
dv07asrCysXLnSBZ/SH4munuIqKyIi8gwu78n55JNP8OGHH+Kjjz5CcXExPvjgA/zpT3/CBx9
84Oq3ctjSpUuh1WqNr4sXL7q7SV5DtFYValoREZGncHlPznPPPYclS5ZgxowZAIaHq4bg/Pnz
yMrKwpw5c6BSqQAALZWViI39aclxZWUlhg0bBgBQqVSoqqoyue/NmzdRXVltvF6lUqGystIkx
vC3IcZcSEgIQkJC2v8h/dDoPlGICAlCTX2z1ZjuoUEY3cdzkhzu50NE5N9c3pNTX18PudZ0tg
EBAdDr9QCAxMREqFQq7Nmzx3hep9OhsLAQarUaAKBWq1FTU4OioiJjzN69e6HX65GcnGyMycv
LQ3PzTz+6ubm5GDBggMWhKmqlALkMr00dYjMma+oQj0kickorMHbVXszcVICntpZg5qYCjF21
l8vciYj8iMuTnMmTJ+MPf/gDvvjiC5w7dw47duzAG2+8gV/+8pcAAJlMhkWLFuHVV1/F559/j
uPHj+Oxxx5DXFwcpkyZAgAYNGgQ0tLSMHfuXBw6dAj//Oc/sXDhQsyYMQNxcXEAgEcffRTBwc
HIyMjAiRMn8PHHH2PdunV45plnXP2R6D/SBscie9ZwqMIVJsdj1QpkzxruMZsB5pRWYMGWYlR
oG0yOa7QNWMD9fIiI/IbLl5DX1tbipZdewo4d01BVVYW4uDjMnDkTy5YtM66EkiQJy5cvx8aN
G1FTU40xY8fi7bfffXh133GG8T3V1NRYuXiId03dCLpdj2rRpePPNN9GtWzdjzLFjx5CZmYnDh
w+jR48eePLJJ7F48WLhtvrzEvL2DOV48jBQi17C2FV72yQ4BjIAKqUC3y6+z2PaTEREjhH9/X
Z5kuNN/DXJySmtwMqdZSaJQKxSgeWTkzymN8ZZ+WeuYuaMArtxf587mpOkiiYi8lNv2ySHP5ut
DOVW1lntwnI0jIiLvXSTHj7ToJazcWQZLXXeGYyt3lnlcaYYWvYT8M1fxWcmPyD9z1Wb7osMU
Vs85E0dERN6LVcj9yKHYaqtzVYBbiU6FtgGHyqs9ZijH0aG1UYmRiFUqoNE2WEzmDHNyRiVgd
lyjiYjII7Anx4+4aijHkZ6V9nBmaClALsPyyUKa2u69bPh7+eQkTjomIvId7MnxI64Yyskprc
CKz8ug0f2UeKjCFVjxsGsnLdsbWpPhltDaA0mqNgll2uBYbJg1vE0PkMPHJlcteZEYJj1+pL1
DOTmlFzi/pbjNcy2uAf03FLtOr5z2Dq2lDY7FA0kqj13qTkREHY/DVX6kPUM5LXoJS7Yft3n/
pduPu2zoyhVDawFyGdR9o/DIsNuh7hvFBIEIyM8wyfEzhqEcldJ0SEqlVGCDjZ6YgrNXbdata
oBr9c0oOHvVJe3kKikiImovDlf5IWeGcg6eUSJ074NnrmBMvx7tbiNXSRERUXsxyfFThqEcUT
9eu+HSOHsMQ2sLthRDBpgkOlwlRUREIjhCRUJEq3+4skqIs0NrREREAHty/JajRTZv795F6L6
24pwp7MlVUKRE5CwmOX7ImQKdY/rehrf3n7V77zF9b3PZexo40rRGREQEcLjK7zhboHN03yhE
hAbZvHdEaBBGW0hgfl0oKBEReSYmOX7E3i7CEqwX6AyQyzB9ZE+b958+smebYSrVLQpKREteJ
0mOH7G3izDw0y7C5lr0Ej7/znaPy+ffvBRJVhzZuZiIiMiVmOT4kdb1phyNczZBclVRUCIiIk
dx4rGHcGblkaOqrzc6HedsstKjW4jQdaJxREREopjkeID2rDxyREQX2xOHbcU5XWZBdKoNp+Q
QEZGLcbjKzTpz5VHNDdulP2zFjUjodnsdS3LZrbjWOFxFREtuWiThjTp75VGk4JCQpbii89dg
rxl66VZca9V1TULvKRPHREQkikmOG3X2yiNVuNiQk6U4Z3tk2pNYERERTQeTHDfq7KECQ2VvW
2KtVPZ2dk5OexIrIiKi9mCS40ZOT+Z1kqGytww/VfI2MByzVtnbkCBZm5Yjg+UEqT2JlUGLXk
L+mav4rORH5J+5yo0DiYhICJMcN3I2cWiPtMGxmDc+ETKzN5XJgHnjE62u5jIkSIz2mbcTsJw
gtU6sLLGVWAG3JmaPXbUXMzcV4KmtJZi5qQBjV+1lKQgiIrKLSY4bOZs4tEdOaQU25pW3mUSS
14CNeeU2k4e0wbHYMGs4VGy9MyqlAhtMDbeaIBkSK/OPIbetWlHmFRERTQeTHDdzNnFwhq3VX
IDt2lWt27v32Xsxe3QvjOvfa7NH98LeZ++12U5riZVki7FizSsiImovbgboAdIGx+KBjFWH73
jsSGkGtYVq4gCQtbsMm775KWH55gfgw8ILmDsuEUsnJrWJt5esyHArWXkgSWXyeR1ZeWatrUR
E5N+Y5HiIALmsw3+sNdob7YrL2l2Gd/LK2xzXSzAeN090nE1WuIkGERG1F4ervJwjK4+uXBfb
cM9SXNNPTZ90zbBaW3TN+Vouqk3OeZsstLZK8+IiMj3sCfHizla86rmhliSYynub/nnhHY8/
lv+OWSM62M85myyYlh5ptE2WBzqkuHwvCVXrjwjIiLfwP4cL+XMyiO9JDZJl1Lc+ep6oWvN45
xdJu+OlWdERORbmOR4IwDXHmnrXqp0WoqL7x4qdK15XHUSlc5ceUZERL6Hw1VeyPnJvI1C97c
UN1AVJnStpThDsmI+tKayMbTW+tr7Bsbgb/nncL66HgmRoZit7o3gQObnRERkG5McL+TsZN4b
TS1C1lmKq64XrCZuJc7ZzfkW5h29+2253eSiIiIi/xz2Qs505r0rXil0naU4d6x24o7HRETUH
uzJ8ULOrjwa2+82bNh/1u79x/a7rc2xEQndhdpmLc7RlWDOBiJIRERkwJ4cL+TsZN7RfaIQER
pk897dQ4Mwuk/bTQkLz14VapulOGd6ZByZd0RERGGQJkxwvZzjMGxMeYnI8JjzE6sqjALkM00f
2tHnFX4/sabFn5P8rviTULvM4ZleCcdjIiJqLyY5Xs9aX05bLXoJHx+xnax8cuSSxV2T65tu
CrXGPM7ZHhnueExERO3VIUnOjz/+iFmzZiEqKgpDunTBkCFDCOTIEeN5SZKwbNkyxMbGokuXL
khJScEPP/xgco/q6mqkp6cjPDwcERERYMjIwPXR10lijh07hnHjxkGhUCA+Ph6rV6/uiI/jkQ

xDQBqdaQJRqbM+BFRw9ipq7OyVc62+GQUWhpyG9YwQapd5nLM9Ms5uIkhERGtg8iTn2rVrGDN
mDIKcgvDl11+irKwMa9asQffuP01IXb16Nd58801kZ2ejsLAQXbt2RWpqKhoafvqhS09Px4kT
J5Cbm4tdu3YhLy8P8+bNM57X6XSYMGECehISUFRUhNdfFx0rVqzAxo0bXf2RPI6zQ0D/PH1F6
P6W4i7ViBX3NI+LDA0Wus48jjseExFRE7l8ddWqVasQHx+P999/33gsMTHR+N+SJOHPf/4zXn
zxRTzzyCMAGP/93/9FTEwMPv30U8yYMQMnt55ETk4ODh8+jJEjRwIA/vKXv2DixIn405/+hLi
40Hz44YdoamrCX//6VwQHB+POO+9ESUkJ3njJdZNkyBc5uxng5WtIiYqluAvVYteax32v0Qld
971Gh3F3mK7gas8mgkRERC7vyfn8888xcuRI/Nd//Reio6Pxs5/9DJs2bTKeLy8vh0ajQUpKi
vGYUqlEcnIy8vPzAQD5+fmIiIgwJjgAkJKSArlcjsLCQmPM+PHjERz8Uw9AamoqTp06hWvXrl
lsW2NjI3Q6ncnLGzk7BKS3EmfOUUpwiSOxRMY+7KJhYWYtLGxyLbxffh7/PHY11M4bh73NH49v
F9zHBISIiulye5Jw9exYbNmxA//798dVXX2HBggX43e9+hw8++AAAoNFoAAAxMTEml8XEXBjP
aTQaREdHm5wPDAXeZGSksSYyle7R+D3NZWVlQKpXGV3x8fDs/rXs4OylX9H+2pbjePcRqV5nHJ
USKXWcrLkAug7pVFB4ZdjvUfaM4REVEREJcnuTo9XoMHZ4cf/zjH/Gzn/0M8+bNw9y5c5Gdne
3qt3LY0qVLodVqja+LFy+6u0lOcXZSboxSLDmyFHelVqysg3ncbHVv2MtJ5LJbcURERK7k8iQ
nNjYWSUlJJscGDRqECxcuAABUKhUAoLKy0iSmsrLSeE6lUqGqqsrk/M2bN1FdXW0SY+kerd/D
XEhICMLDw01e3sjZSbklN8QKdFqKi1N2EbrWPC44UI654xKtRN8ydlwiC24SEZHLufyXZcyYM
Th16pTJsX/9619ISEgAcGsSskqlwp49e4zndTodCgsLoVarAQBqtRo1NTUoKioyxuzdux6vR
7JycnGmLy8PDQ3/7QkOjC3FwMGDDbZyewrDJNyVwa9LiqlwupmgP/S1Ard21JcN0WA0LWW4pZ
OTMjdPS0nlHf1DMfSiUkWzxERebWHy1dXPf300/j5z3+OP/7xj/j1r3+NQ4cOYePGjcal3TKZ
DIswLcKrr76K/v37IzExES+99BLi4uIwZcoUALd6ftLS0ozDXM3NzVi4cCFmzJiBuLg4AMCjj
z6KlStXIiMjA4sXL0ZpaSnWrVuHtWvXuwojeSxHK3tXCQ45WYr7VnD5+benr+B/ftHf5FjW7j
Icu2R5kvexSzpk7S5jokNERC7n8iTn7rvvx04d07B06VK8/PLLSExmXj//Gekp6cbY55//nn
UldVh3rx5qKmpwdixY5GTkwOF4qdeiQ8//BALFy7E/fffd71lcjmnTpuHNN980nlcqlfj666+R
mZmJESNGoEePhli2bJnPLx83Z5iUK6KhucXpOfTl1m3FNd3UY9M35Tav2fRNOZ6dMJBDVkre5
FIySZIs7SnnF3Q6HZRKJbRardfOz3HEsBU5qGwn+hEKAJQsiLN5Fj6pgL884z9Ip1j+kbhw7
mjjX+/981ZvPLFSbvXvTRpEDLG9bEbR0REJPr7zX86e7kWvYT8M1fxWcmPyD9z1WLdKYOobmK
7DluKmdWLAExjztfxS90nWgcERGRKJcPv1HnySmtaLMbcKyN3YDjI7vizBX7m/PFR3Ztc2yU
4JCYeZwr9skhIiJyBntyvJShQKf5HBiNlnqBTpngHnqW4rYUnBe61jxutrQ3jbro/3k/cJ8cI
iJyPSY5XsjZAp1V0rF9cizFHT5XLXSteVYAXIbAANtpTmCAjLsYExGRyzHJ8UKOFohsrBh5pt
D9LcUpgsT2yTGP03j6Cpbbm9tb26RcNDGEnVH5h0REREZce60F3K2QGd9kliJTKtxXYLEelr
M47YXXxK6bnvxpTZVyIFbw3IrPi+DRteqCnm4AiseZhVyIiKyjT05XqhH1xCn4q43ifXkWIo7
XXld6FrzuLomsb15LMXl1fZg/pZikwQHADS6Bsy3Mu+IiIjIgEmONxKdvmIeJzrKYyGuVjBZM
Y+7u7dYiQ3zuBa9hCXbj9u8Zun24xy6IiIiq5jkeKERl8UmEJvHKUPF5tVYirsjppvQteZxc3
6eKLS6as7PTYt4Fpy9ipr6ZssX/Mel+mYUnLW/QSERefknJjleyNnhqrhwwUriFuK6hohN3zK
PCw6UY95421XI541vW4U8X2B3ZUfiiIjI/3DisRfSClbiMI/7USvWA2Qp7geN5QKbInGG4psb
88pNRsJkuJXgWC7O2Y6xNSIiIjDJ8UqF5WJ71hSWV5usWLppZym3rbjaBrFJy9bilK5MwrMTB
uJv+edwvroeCZGhmK3ubbUop7pPD7y174zd91P36SHULiIi8j9McrySc70ckd2CoKml35sT2S
2ozbEawe2SbcUFB8qFi3CO7huFiNagm/NyIkKDMFqw3AQREfKfzsnxQsm9xX7YzeP6RLWtSWW
JpbjOLrQZIJdh+sieNmOmj+zJnZKJiMgqJjleSG6nTIKluGo7q5VsxTXeFos9Eo2zp0Uv4fPv
bo+D8/13FVxCTkREVjHJ8ULOLiFvaBbb68ZSnJWpMw7FOVKewV7pCsBy6QoiIiIDzsnxQs4uI
b9yvUnoOktXPSO74OyVG3av7RlpeZn6rfIMJ6BpVfxTFR6CFQ/fabE8g7OlK4iIiAzYk+ONnN
zxuFJrP0mxFudsgU6gdXkG054lja7RanmG6DCF0PuJxhERkf9hkuOFqgRWSFmKaxarz2kxLiR
A7FEExjMpz7DEQnmGUymRiFUqrOZzMGcXsGvVGJUYKtYuIiPwPkxwvdEUwyTGP8+8mtBgsZ4c
87iCM/bLM9TUN6PAbOfiALkMyff2iTPNEX/L18chJXVxERkVVMcrzQtXqxuTXmcUGCq7Isx
YUpgoWuNY87ePaK0HWW4tIGx2LDrOFQKU2HpFRKBTbMGm5xLg8REZEBJx57IdHOi7ZxMohtJN
j2DQoEkxXzuB+vic0DshaXNjgWDySpCKi8GLW1DYgOuzVEXR4cIiKyhZ05Xki01IF5nEwmtqe
MpThtg9jyc/M4wTJbwnFERESi2JPjhe5OjLTbJyP7T5wJN2QcsRFiy92txdlael4Gje6npeKq
cAVWPJzE4SoiIrKJPTleqOj8NbuDtTJ/4loT3PDYypxSiFaomMdFhoolOZbiflp6broXjkbXY
HXpuTs5stkhERF1PPbkeKHL18TqQ92K+6l+leAKcotxKmUX1DTU2b1WpTTdDFB7QyyzMo8TWX
q+dPtXPJck8oj5OTmlFVi5s8xkl+ZYpQLLJ7PhiyjIXdiT44WKLlyzH+RANahn99gRLF7eJq7
grP2159fqm1Fw9qrNmM6QU1qBBVuK25Sh0GgbsMADE5yIiPwFkxwv9L2mlqVxIq4J1ssyj3N2
knT+GbHkRTSuo7ToJazcWWZx+NBwbOXOMg5dERG5AZMcL3S9QWwISDRoxLUBN52KG903ChGhQ
TaviQgNwui+UWZHRZMC63GdMUfGXiFRCSwksKtKlpyT44UCBYeARONEOJtyBMhlmd6yJ97JK7
d6zfsRPdvMq1H36YG39p2x+37Weoo6a44MC4kSEXku9uR4ocYwSt1rROM6UotewsdHLtmM+eT
IpTa9LM73AFmfi1PRAXNkWEiUiMhzMcNqQtobghvzCcZ1JGcnEAfIZXht6hCb1702dUibHiBb
c2SAWz1Nrpwjw0KiRESei0mOF3J2xZI7dPYEYntzZADXzpFhIVEiIs/FJMcLNd8UW88tGtexn
JvNI7pPjnmPjEYrVitLNE4EC4kSEXkmTjz2Qi2CZRde4zrS3b0iAdiFqHwr7ieODHON6fft5O
MrgkvdrENesZaoEZHNyZLjhVoEO2he4zrSyUqdcNw9g6KNfzsyZNU6yakR3GFZNM4RAXIZ1BY
mQhMRkXtwuMoLRXYJcGlCR/rHyUon45wb5pJznQJJsSjSoiIi8F5McL6QICXZpXefSNYhtImge

5+xOyaI9KexxISLyfUxyvFBIOj/NtG4jjQopptTcXcnRtrta5H9J6610X3s76/TPTQIO/tYT
3JYTZyIyDdwTo43Ehlp8YARmV+N7IXPjmmE4lorOn/N7oCV9J+41r0yHv115m8ptnpdloX9dQ
xYTZyIyHd0+D/1X3vtNchkMixatMh4rKGhAZmZmYiKikK3bt0wbdo0VFaaazsm4cOEJCk2ahND
QUERHR+O5557DzZumQxr79+/H8OHDERISgn79+mHz5s0d/XE8Qliw2Fwb0biOlGyJx8RWXHvK
JRy1U33d2nlWEyci8i0dmuQcPnwY77zzDu666y6T408//TR27tyJbdu24cCBA7h8+TKmTPlqP
N/S0oJJkyahqakJBw8exAcffIDNmzdj2bJlxpjy8nJMmjQJv/jFL1BSUoJFixbhN7/5Db766q
uO/EgdxpEhkn8LJgCicR3p8DmxTffM45wtl9B0U49N3livkUAm74pR5PZHkKsJk5E5Hs6LMm
5fv060tPTsWnTJnTv3t14XKvV4r333sMbb7yB++67DyNGjMD777+PgwcPoqCgAADw9ddfo6ys
DFu2bMGwYcPw4IMP4pVXXsH69evR1NQEAMjOzkZiYiLWrFmDQYMGYeHChfjVr36FtWvXdtRH6
jA5pRUYu2ovZm4qwFNbSzbZUwHGrtprteegqrZJ6L6icR3pm3/926k4Z8s1/C3/HOzlIXrpVl
xrrCZOROR7OizJyczMxKRJk5CSkmJyvKioCM3NzSbHBw4ciF69eiE/Px8AkJ+fjyFDhiAmJsY
Yk5qaCp1OhxMnThhjzO+dmppqvIcljY2N00l0Ji93c2aIpEFwJ2PRuI707ekrTsU5Wy7hfHW9
0PuZx7GaOBGR7+mQJGfrlq0oLi5GVlZWm3MajQbBwcGiiIgwOR4TEwONRmOMaZ3gM4bztmK0
el0uHHD8pb9WVlZUCqVxld8fLxTn89VnB0iEcldPCDHgSS4342lOGfKJSREhgq9n3kcq4kTEf
kel6+uunjxIp566ink5uZCofCsH4S1S5fimWeeMf6t0+ncmug4MkTSegWRc9vkuUdIgOBydyt
xjpZLmK3ujVe/OGnzs8v+E9faqMRIRIQG2Swl0T00iNXEiYi8iMuTnKKi1lRVVWH48OHGYy0t
LcjLy8Nbb72Fr776Ck1NTaipqTHpzamsrIRKpQIAqFQqHDP0yOS+htVXRWPMV2RVVlYiPDwcX
bp0sdi2kJAQhISETpszuoo/DJGEDx7F7xGzFOViuIUauQ2hwaOqaWqzGhIYEOFVTyHOSRiIiEu
fy4ar7778fx48fR0lJifElcuRIpKenG/87KCgIe/bsMV5z6tQpXLhwAWq1GgCgVqtx/PhxVfV
VGWNyc3MRHh6OpKQkY0zrexhiDPfwBv4wRHLuqlilb1tXTTfleO+bslj2WSne++Zsm5VRrR0q
r7aZ4ABAXWNlMwnEh8qr7RYEralv5sRjIiIv4vKenLCwMAwePNjkWNeuXREVFwu8npGRgWeee
QaRkZEIDw/Hk08+CbVajdGjRwMAJkyYgKSkJMyePRurV6+GRqPBiy++iMzMTGNPzPz58/HWW2
/h+eefxxNPPIG9e/fik08+wRdffOHqj9RhDCuIbA1ZWVpB5E30LbYTDntxWbvLsOmbcpMVU3/
YfRjZxyVi6cSkNvH09o75Q68aEZG/ccu+/2vXrsVDDz2EadOmYfz48VCpVNi+fbvxfEBAAHbt
2oWAgAColWrMmjULjz32GF5++WVjTGJiIr744gvk5uZi6NChWLNmDd59912kpqa64yM5JUAuw
8NDbe+i+/DQWKeGVjyFTLDTluKydpfhnbyNkvC9RLwTl45snaXtbnG2d4xV/SqsRwEEZF6Z
SyDvv37zf5W6FQYP369Vi/fr3VaxISerB7926b97333ntx90hRVzTRLvr0Ej7/zvYuup9/V4H
n0wZ5baIT1VWB89X2ez+iujq3qd+zEwYiuFwNLkPvmEbbYHEOjQy3VmeZ946JTDyOsDHxmOUg
iIg8j/srOPoxe6urAO/fgK5XlNiSbvM4Zzf1c3Z/HRHWRmA5CCIz8Qkx438YR5IyoBop+Kc3
dQPcG5/HZGJx9cstDxmOQgiIs/FKuRu5A+rq/74Zdt5M9biHvrZ7ca/nd3UzyBtcCzuGxiDv+
Wfw/ngeiREhmK2urfJ0FZrziaczu5lREREHY9Jjhv5wwZ0lYL1s8zjZqt74w+7T9ocspLL2m7
qZ2Bpjsy735ZbnSPjbMLpD71xRETeisNVHs7bBzmc3Z05OFCO+wfZHuq6f1C0xZ4ZZ+bIOFsQ
1B9644iIvBwthdfyhw3ouiVEHjHzuBa9hMPnrtm85vC5a23mujg7R8bZCcV0JkdERNtXmOS4k
T8MdYRlESujYR5XcOaqUAJYcOaqyTFH5siYc2bCckeU5iIiovbhnBw36tFNLAEQjFNEXUPEHj
HzuPyzV4Suyz97BWP69zD+3d7E0dGCoIZrNswa3mYOkIr75BARuRwTHHfypnLiTkq8LRQnKmq
F4kyJ9nyYxrljowjBUENnEmOiIioYzHJcaMrDY0ujfNEeu1NG3GqftG4a19p+1eZ56MOLvj
sSs4kxwREVHH4ZwcN/KHlTlF521PhrYwD3fvSMjsdILIZLfiWuMcGSiMmCS40ajEiMRyMvZ0
oOQQLlXr8ypa7zpVfzR+WuQ7AzTSZLlJMqZCcREROR7Ofz1Rk039Wi8aXs8p/GmHk039egSHN
BJrXItuUxsQpF5nDsmEBMRkW9hkuNiLXpJ+If1j7sFSx7sLsMrU4a4spmdJkAmg8jM6QCzsan
IOGCh+9uK85Y5Mo48M0REJI5JjgtZKiUqa2MZ8bmrYkUoReM8UX2z2Mxj87iyCq3QdWUVWoy7
4zaH2+UpHHlmiIhIHOfkuIgzpQR6R4kVoRSN80R2RuOsXhWdrxG6TjSuM7ToJeSfuYrPSn5E/
pmrduPO/PMEBGROpbkuIC9UgIy3Col8ECSymQYYnHaIPyt4ILd+y9OG+SytnY6J/cC6io4B0
k0rqM52iPj7DNDREti2JPjAs6WEjj+o9iQjGicJ3J2v8Opw3sKXScal5Gc6ZFpT/kJiIISwyT
HBZxdCXS55obQdaJxnsjZJOfn/XrY7aXpGhKAN/frYfW8o8NHznC2IKg/1C0jInI3Dle5gLM1
qI5eENso7+iFa5g2wv09Fs4QW1vVduO+ALkMs0b3wjt55VavmZXcy+pQTK5pBVZ8XgaNrlUtq
XAFVjzs2gm9jvTItF7p5Q8bQRIRuRt7clzBye6KCplYD41onCcSnHfcJq5FL+HjI5dsXvPxkU
sWe2dySiswf0uxSYIDABpdA+a7eEKvsz0yHvIT1mbbyHBrTo83bwRJROruTHJcwNkaVJoasR9
I0ThfUnDmKmrqm23G1NQ3o+DMVZNjLXoJS7Yft3nd0u3HXTZ05WyPDMtPEBF1PCY5LuDsD52d
ig40x/mS/LNXnIorOGs/ObpW34yCs1dtxohqT48My08QEXUszslxAWcrX2u0Yj1AonG+RbQHw
zQu/4xY8pJ/5irG2Ji0LMrQI7NgS3Gb+UciPTisP0FE1HH8sI/A9ZwdeqhvFiteKRrniUQfMP
O4ZMG5KG3jnf3P5bz29sgYyk88Mux2qPtGMcEhInIR9uS4iOGHznxDOJWNDeFuNi1NyxWN80R
hIXJoG+23PyZENfm2uk8PvLXvjFCcK7FHhojI8zDJcSFHf+gkwC4E0ThP5GxZB9E5MwVnr5rU
rhrdNwoRoUE25+VEHAzhAcU7vSWgqBERP6CSY6LOfJDJ1igGzIv7gxoFCzQaR73o+AGiOZxA
XIZpo/saXN/nekje7KhhYjID3BOjht1DxWrUYqa541EZxOliXNyak2LXsLn39neB+fz7yo6ZP
djIiLyLExy3OhqXYtL43xJXHexZfnmcfZ2IAZYE4qIyF8wyXEjZ3cD9ibOLQQHxvS9zWKcOfM
41oQiIiIDJjnUoQIFsxzZOMMEYlssTSBmTSgiIjJgkKmdy8muHMMeylssTSBmTSgiIjJgkKmd
yt1l8i16CVsKLti8ZkvhhTYTiFkTioiIDJjkUMdycpXUwdNXUNDke8JlXWMLDp5uW+OKNaGiI
AjpPjkul6KXuOttK87uBbS9+JLQ/bcXXzLZDNCAOxATERGTHBfKka1ouY9yh1kZZB3+gCJkJwa

AshSLItFPRXi+OSBx3ICYi8m8crnKRnNIKLNhS3GaPlgptAxZsKUZOqe0N6nxVl2CxjQzN4+7
u3V3oOte4IiLyP0xyXKBFL2HlZjKrozISgJU7y/xyl93mFrFdfsZj5vw80e7CLNl/4oiIiCcxh
kuMC3GXXugbB2lXmccGBcswwbzuBmTc+EcGBfISJiMgyl/9CZGVl4e6770ZYWBii06MxZcoUn
DplyiSmoaEBmZmZiIqKQrdu3Tbt2jRUVlaaxFy4cAGTJk1CaGgooQj8dxzz+HmTdMKR/v378
fw4cMREhKcfv36YfPmza7+OEIOWrFikqJxvkQmWF3UUtZSiUn47fi2PToyAL8dn4ile5Pa30A
iIvJZLk9yDhw4gMzMTBQUFCA3NxfNzc2YMGEc6urqjDFPP/00du7ciW3btuHAgQO4fPkypk6d
ajzf0tKCSZMmoampCQcPHsQHH3yAzZs3Y9myZcaY8vJyTJo0Cb/4xS9QUlKCRYsW4Te/+Q2++
uorV38ku6rrmlwa50tu6xbSrriF9eqO6LBgk2PRYch4WS/OxSEiIttcvbroqJyfh5O/NmzcjOj
oaRUVFGD9+PLRaLd577z189NFHuO+++wAA77//PgYNGoSCggKMHj0aX3/9NcrKyvCPf/wDMTE
xGDZsGF555RUsXrwYKlasQHBwMLKzs5GYmIgl9YAAAYNGoRvv/0Wa9euRWpqqqs/lk2Rgj/k
onG+pF9MN5y/Zr8Hq19MtzbHDJO5zWcyVdU2YcGWYu55Q0RENnX4hAatVgsAiIy8tY1+UVERm
pubkZKSYowZOHAgevXqhFz8fABAFn4+hgwZgpiYGGNMamoqdDodTpw4YYxpFQ9DjOEelJQ2Nk
Kn05m8XCFAmHkRjfmIaXeqnIqZNzbcMxfJ3MTEZGYDkly9Ho9FilaHDFjxmDw4MEAAI1Gg+D
gYERERJjExsTEQKPRGGNaJziG84ZztmJ0Ohlu3LDcc5CVlQWlUml8xcfHt/szAoBesHaBaJwv
ie4mWDDTLM7eZG4J/juZm4iIxHRokpOZmYnS0lJs3bqlI99G2NKlS6HVao2vixcvuuS+heVXX
RrnS3LKxPYHMo+rqrW9Ws3ROCIi8j8dtuPxwoULsWvXLuTl5aFnz5+qSatUKjQ1NaGmpsakN6
eyshIqlcoYc+jQIZP7GVZftY4xX5FVWVmJ8PBwdOnSxWKbQkJCEBLi+iEjJ8sz+YX8M2KJnXl
cdJhgD5BgHBER+R+X9+RIkoSFCxdix44d2Lt3LxITTfc6GTfBiIKCgrBnzx7jsVOnTuHChQtQ
q9UAAALVajePHj6OqqsoYk5ubi/DwcCQlJRljWt/DEGO4R2eK6BJS8iBOF9S23jTfPCFuFGJk
YhVKqxuCCjDrZIZoxIj29dAIiLyWS5PcjIz7MfLyxZ89NFHCAsLg0ajgUajMc6TUSqVyMjIwD
PPPIN9+/ahqKgIjz+/ONRqNUaPHg0AmDBhApKSkjB79mx89913+Oqrr/DiIy8iMzPT2BMzf/5
8nD17Fs8//zy+/57vP322/jkk0/w9NNPu/oj2dWjmljyIhrnSyJDxT6zeVyAXIbIk28ltJb2
yQGA5ZOTWHCTiIiscnmSs2HDBmi1Wtx7772IjY01vj7++GNjzNqla/HQQw9h2rRpGD9+PFQqF
bZv3248HxAQgF27diEgIABqtRqzZs3CY489hpdfftkYk5iYiC+++AK5ubkYOnQolqxZg3fffb
fTl48DgEppeXjM2ThfMihO6XRc2uBYbJg1HCql6ZCUSqng8nEiIg/WopeQf+YqPiv5Eflnrrp
tJazL5+RIaiUIFAoFlq9fj/XrllnUSuHwO7du23e595778XRo0cdbqOrGYZWbK0G8tehlWnD
b8fn310WirMkbXAsHkhS4VB5NapqGxAddut7ZA8OEZFnyimtwMqdZSa/ibFKBZZPTur0f5yy8
I8LGIZWbM0f8dehlUC52CNmKy5ALo06bxQeGXy71H2j/PJ7JCLyBoZXNM3/0a/RNmDBlmlKlI
qtuHUVJjkuYhhaiTUbWon186GVK3WNLo0jIiLP5ImbuHbYEnJ/lDY4FvcNjMHf8s/hfHU9EiJ
DMVvd268rZffoKrZkXzS0iIg8kyObuKr7RnVKm5jkuFBOaQVWFH4CGt1PvRKbvjmLFQ/f6fU9
OTKI7fPTziBJdGSJI1BERF7NEzdx9d8uBhfLKa3A/C3FJgkOAGh0jZjvhnFIVxN9UMzjrlwXH
K4SjCmiIs/kiZu4MslxgRa9hCXbj9uMWbL9uFcXkxSd62se54kPPREruZ4nbuLJKMcFCs5cRU
19s82YmvpMFAiWOPBEAYJPinnCqMRIRIQG2byme2iQXy6vJyLyJZ64iSuTHBf4551/uzTOE4l
2QjnTWew9/VtERNsAp23iyonHLvDjNbFJVkXnsjZ4apD5dVCvVyd0dueiIg6jidt4sokxwV
kv/fROM8kVwmtr5KbvYhPXG2PRERdsZDJq7uxuEqF4gTReklGueJFMEBTsVx4jEREBkLkxwXU
ASJfy2icZ6o6abeqThPnGlPREt+Wxt/dT3I/xVddGmcJxLdtDK8zhNn2xMRkX9gkuMClwQnFI
vGeaLwLraXgduK87TZ9kRE5B848dgFxAZyxOM80eA4Jc5dvSEUz4knzbYnIiL/wCSHhPSKcm1
3nKfMticIiv/A4SoSMqbvbS6NIyIi6mhMckjI6L5RdsszRIQGYTR7aoiIyEMwySEhAXIZXps6
xGbMalOHci4NERF5DCY5fiRUcJ8ea3Fpg2ORPWS4VOEHJsdV4SHI5iopIiLyMJx47Ed+Oy4Ra
/eeEYqzhqukiIjIWzDJ8SML7rtDKMLZcN8dNs9zlrQREXkDDlf5kQC5DF3t1KDqGhLAXhkiIv
IJTHL8yKHyatQ1tdiMqWtswaHy6k5qERERUcdhkuNHqmrFykqIxxhEREXkyJjleKFBWnmK8Ljp
MYTnQjGgcERGRJ2OS44Uiu4oVyzSPG5UYiVilok0lCmZgFjlrDVSRERE3o5JjhffqFx3mVFyA
XIbIk5MAoe2iY/h7+eQkTjwmIikfwCTHC/12fF+n49IGx2LDroFQKU2HpfRKBTZwQz8iIvIh3
CfHC6n79WhXHdf0IyIif8Akx40UGUDDTbG4lorOXxO6f9H5a1Y37eOGfkRE5Os4XOVGAwTnlp
jHcSk4ERGRfUxyXMDZJdl39owQus48jkbBiYiI7GOS4wJdgsSyHPO4kQliS7XN47gUnIiIyD4
mOS7Q97auTsXFRnQRus48jkbBiYiI7GOS4wIT7+rpVJyhr8YWaz0yXApORERkm0ySJMndjXAX
nU4HpVIJrVaL8PBwp+/TdFOPAS9+CVtFpAzAqVcfRHCgaV6ZU1qBBVuKAcDkekMfjL2EpUUvc
Sk4ERH5FdHfb/bkuEBwoBzzifajJk3PrFNggO0v0fGsBT8kWG3Q903igkOERHRf3CfHBdZov
HWHJlN35RD36PLri4D5o5LNJ63hJvZERERuR6Hq1wwXNVa0009/pZ/Duer65EQGYrZ6t4We3C
IiIjIOX4zXLV+/Xr07t0bCoUCycnJOHTokFvbExwoR8a4Pnj5kcHIGNeHCQ4REZGbePUv8Mcf
f4xnnnkGy5cvR3FxmYyOHYrU1FRUVVW5u2lERETkZl6d5LzxxhuY03cuHn/8cSQlJSE7Oxuh
aH461//6u6MERERkZt5bZLTlNSEoqIipKSkGI/J5XKkpKQgPz/f4jWNjY3Q6XQmLyIiIvJNXp
vkXLlyBS0tLYiJiTE5HhMTA4lGY/GarKwsKJVk4ys+Pr4zmkpERERu4LVJjjOWLl0KrVZrfF2
8eNHdTSiiIqIO4rX75PT00QMBAQGorKw0OV5ZWQmVSmXxmpCQEISEhHRG84iIiMjNvLYnJzg4
GCNGjMCePxUmX/R6Pfbs2QO1Wu3GlHEREZEn8NqeHAB45plnMGfOHIwcORKjRo3Cn//8Z9TV1
eHxxx93d90IiIjIzbw6yZk+fTr+/e9/Y9myZdBoNBg2bBhycnLaTEYmIiIi/+PXZR20Wi0iIi
Jw8eJf15V1ICIioo6l0+kQHx+PmpoaKJVkq3Fe3ZPTXrWl1tQDApeREREReqLa2lmaS49c9OXq
9HpcvX0ZYWBhksrYVvw2ZInt62uJ3Yxm/F8v4vVjH78Yyfi/W8bsBJElCbW0t4uLiIjdbX0Pl

1z05crkcPXv2tBsXhH7utw+SPfxuLOP3Yhm/F+v43VjG78U6f/9ubPXgGHjtEnIiIiIiW5jkE
BERkU9ikmNDSEgIli9fzl2SLeB3Yxm/F8v4vVjH78Yyfi/W8bsR59cTj4mIiMh3sSeHiIiIfB
KTHCIiIvJJTHKIiIjIjZzHJISiiIp/EJIEiIiIh8EpMcG9avX4/evXtDoVAgOTkZhw4dcneT3Gr
FihWQyWQmr4EDB7q7WW6Rl5eHyZMnIy4uDjKZDJ9++qnJeUmSsGzZMSTGxqJLly5ISUnBDz/8
4J7GdiJ738t///d/t3mG0tLS3NPYTpSVlYW7774bYWFhiI6OxpQpU3Dq1CmTmIaGBmRmZiIqK
grdunXDtGnTUF1Z6aYWdx6R7+bee+9t89zMnz/fTS3uHBS2bMBdd9113NVYrVbjyy+/NJ731+
fFUUxyrPj444/xzDPPYPny5SguLsbQoUORmpqKqqoqdzfNre68805UVFQYX99++627m+QWdXV
1GDp0KNavX2/x/OrVq/Hmm28iOzsbhYWF6Nq1K1JTU9HQ0NDJLe1c9r4XAEhLSzN5hv7+9793
Ygvd48CBA8jMzERBQQFyc3PR3NyMCRMmoK6uzhJz9NNPY+fOndi2bRsOHDiAy5cvY+rUqW5sd
ecQ+W4AYO7cuSbPzerVq93U4s7Rs2dPvPbaaygqKsKRI0dw33334ZFHHsGJEycA+O/z4jCJLB
olapSumZlp/LulpUWKi4uTsrKy3Ngq91q+fLk0dOhQdzfD4wCQduzYYfxbr9dLKpVKEv31143
HampqpJCQEOnvf/+7G1roHubfiyRJ0pw5c6RHHnnELE3xJFVVVRIA6cCBA5Ik3Xo+goKCpG3b
thljTp48KQGQ8vPz3dVMtzD/biRJku655x7pqaeecl+jPET37t21d99918+LA9iTY0FTUxOKi
oqQkpJiPCaXy5GskoL8/Hw3tsz9fvjhB8TFxaFPnz5IT0/HhQsX3N0kj1NeXg6NRmPy/CiVSi
QnJ/v98wMA+/fvR3R0NAYMGIAFCxbg6tWr7m5Sp9NqtQCAyMhIAEBRURGam5tNnmpBAweiv69
efvfMmH83Bh9++CF690iBwYMHY+nSpaivr3dH89yipaUFW7duRV1dHdRqNZ8XB/h1FXJrrly5
gpaWFsTeXJgcj4mJwffff+mVrlfcniYnm/ejAEDBqCioGirV67EuHHjUFpairCwMHC3z2NoN
BoAsPj8GM75q7S0NEydOhWJiYk4c+YM/t//+3948MEHkZ+fj4CAAHc3r1Po9XosWrQIY8aMwe
DBgwHcemaCg4MRERFhEutvz4yl7wYAHn30USQkJCAuLg7Hjh3D4sWLcerUKWzfv2Nre14x48
fh1qtRkNDA7p164YdO3YgKSkJJSULfF4EMckhYQ8++KDxv++66y4kJycjISEBn3zyCTIyMtzY
MvIWM2bMMP73kCFDCnddd6Fv377Yv38/7r//fje2rPNkZmaitLTUb+ez2WLTu5k3b57xv4cMG
YLY2Fjcf//9OHPmDPr27dvZzew0AwYMQELJCbRaLf7v//4Pc+bMwYEDB9zdLK/C4SoLevTogY
CAgDYz1SsrK6FSqdzUKs8TERGBO+64A6dPn3Z3UzyK4Rnh82Nfnz590KNHD795hhYuXIhdu3Z
h37596Nmzp/G4SqVCU1MTampqTOL96Zmx9t1YkpycDAA+/9wEBwejX79+GDFiBLKysjB06FCs
W7eOz4sDmORYEBwcjBEjRmDPnj3GY3q9Hnv27IFarXZjyzZL9evXcebMGcTGxrq7KR4lMTERK
pXK5PnR6XQoLCzk82Pm0qVLuHr1qs8/Q5IkYeHChdixYwf27t2LxMREk/MjRoxAUFCQyTNz6t
QpXLhweefGXvfjSULJSUA4PPPjTm9Xo/Gxka/fl4c5u6Zz55q69atUkhIiLR582aprKxMmjD
vnhQRESFpNBp3N81tnn32WWn//v1SeXm59M9//lNKSUmRevToIVVVVbm7aZ2utrZWOnr0qHT0
6FEJgPTGG29IR48elc6fPy9JkiS99tprUkREhPTZZ59Jx44dkx555BEpMTFRunHjhptb3rFsf
S+1tbXS73//eyk/P18qLy+X/vGPF0jDhw+X+vfvLzUONLi76R1qwYIFklKplPbv3y9VVFQYX/
X19caY+fPnS7169ZL27t0rHTlyRfKr1ZJarXZjqzuHve/m9OnT0ssvvywdOXJEKi8v1z777DO
pT58+0vjx493c8o61ZMkS6cCBA1J5eb107NgxacmSJZJMJPo+/vprSZL8931xFJMcG/7yl79I
vXr1koKDg6VR00ZJBQUF7m6SW02fP12KjY2VgoODpdtvv12aPn26dPr0aXc3yy327dsnAWjzm
jNnjirJt5aRv/TSS1JMTiWUEhIi3X///dKpU6fc2+hOYot7qa+vlyZMmCDddtttU1BQkJSQkC
DNnTvXL/7hYok7ASC9//77xpgbN25I//M//yN1795dCg0N1X75y19KFRUV7mt0J7H33Vy4cEE
aP368FBkZKYWEhEj9+vWTnnvuOUmr1bq34R3siSeekBISeQtG4GDptttuk+6//35jgiNJ/vu8
OEomSZLUef1GRERERJ2Dc3KIiIjIjZzHJISiiIp/EJIEiIiIh8EpMcIiIi8klMcoiIiMgnMckhI
iIin8Qkh4iIiHwSkxwiIiLySUxyiIiIyCcxYSEiIiKfxCSHiIiIfNL/D+0ykffsUqFSAAAAAE
1FTkSuQmCC\n"

```
    },  
    "metadata": {}  
  }  
]  
},  
{  
  "cell_type": "code",  
  "source": [  
    "plt.scatter(data['number of bedrooms'], data['Price'])\n",  
    "plt.show() "  
  ],  
  "metadata": {  
    "colab": {  
      "base_uri": "https://localhost:8080/",  
      "height": 445  
    },  
    "id": "v_dEaYRumiID",  
    "outputId": "a9a7ab51-955c-4b47-830e-1901213cce8b"  
  },  
}
```

[illegible]

Y0gsAACAY0gsAACAY0gsAACAY0gsAACAY0gsAACAYxJOLD788EMtWLBaZWVlGjBggCZMmKDXx
389GWMDAABZpl8iwYcOHdI1llyiyy+/XH/4wx80fPhwvffeexo6dGiYxgcAALJIQonFfffdp9
GjR+uhhx7gea66utrXQOEAgOyU0FLIU089pQsvvFDXX3+9ysvLdcEFF2jFihUxr/H5fPJ6vUE
PAADQNYWUWLz//vtavny5zjrrLP3xj3/UokWL9LWvfU0PP/xw1GsaGhrkdrT7HqNHj+71oAEA
QGZyWZzlmQYXFBTowgsv1CuvvNLz3Ne+9jW99tpramxsjHiNz+eTz+fr+dnr9Wr06NHyeDwqK
SnpxdABAECqeLleud3uuPfvhGYsKisrVVNTE/Tceedp71790a9prCwUCUlJUEPAADQNYWUWF
xyySXasWNH0HPvvvuuqqqqHB0UAADITgklFt/4xje0adMm/eAHP9DOnTv1m9/8Rg8++KAWL16
crPEBAIAsk1BiMXXqVK1Zs0aPPvqoamtr9b3vfU8/+clPNH/+GSNDwAAZJGEijedyFr8AQAA
MkdSijcBAABiIbEAAACOibEAAACOibEAAACOibEAAACOibEAAACOibEAAACO6ZfuAcBM19/S5
uZ2tXV0qry4SNOqS5Wf50r3sAAACEJikQXWNbWoful2tXg6e56rdBdp6dwaza6tTOPIAAAIx1
JIhlvX1KJFq7YGJRWS1Orp1KJVW7WuqSVNIwMAIByJRQbr8luqX7tdkXquB56rX7tdXf6UdmU
HACaQEosMtrm5PWym4nSWpBZPpzY3t6duUAAAXeBikChAoQInFXbiAABINhKLDFZeXORoHAAA
yUZikcGmVZeq012kaJtKXereHTktujSVwwIAICoSiwyWn+fs0rk1khSWXAR+Xjq3hn4WAICMQ
WKR4WbXVmr5gsmqcAcvd1S4i7R8wWT6WAAAMgoNsrLA7NpKXV1TQedNAEDGI7HIEv15LtWNL0
v3MAAAiImLEAAA4BgSCwAA4BgSCwAA4BgSCwAA4BgSCwAA4BgSCwAA4BgSCwAA4BgSCwAA4Bg
SCwAA4Bg6b2aJLr9FS28AQMYjscgC65paVL92u1o8nT3PVbqLtHRuDyeQAQAYcKshGW5dU4sW
rdoalFRIUqunU4tWbdW6ppY0jQwAgHAKfhmsy2+pful2WRF+F3iufu12dfkjRQAakHokFhlsc
3N72EzF6SxJLZ5ObW5uT92gAACIIaHE4p577pHL5Qp6nHvuuckaW85r64ieVNIJAwaG2RIu3j
z//PP1/PPPf/IC/aj/TJby4iJH4wAASLaEs4J+/fqpoqiGWNBiGnVpap0F6nV0xmzxsIlqcL
dvfUUAIBMkHCNxXvvvaeRI0dq3Lhxmj9/vvbu3ZuMcUFSfp5LS+fWSOpOI k4X+Hnp3Br6WQAA
MkZCicX06dO1cuVKrVu3TsuXL1dzc7NmzJihjo60qNf4fD55vd6gB8zNrQ3U8gWTVeEOXu6oc
Bdp+YLJ9LEAAGQU12VZtvcqHj58WfVvVbr//vtlyy23RIy55557VF9fH/a8x+NRSUmJ3bfOOX
TeBACKk9frldvtjnv/7lViIU1Tp07VrFmz1NDQEPH3Pp9PPp8vaGCjR48msQAAIIuYJha96mN
x5MgR7dq1S5WV0afjCwsLVVJSEvQAAAB9U0KJxbe+9S1t2LBBu3fv1iuvvKLPf/7zys/P1403
3pis8QEAgCyS0HbTDz74QDfeeKMOHjyo4cOH69JLL9WmTZs0fPjwZI0PAABkkyQSi9WrVYdrH
AAAoA/grBAAAOAYEgsAAOAYEgsAAOAYThDLEjTIAgBkAxKLLLCuqUX1a7erxfPJ8eiV7iItNv
tDS28AQEZHKSTDrWtq0aJvW4OScklq9XRq0agtWtfUkqARAQAQjsQig3X5LdWv3R7xyPTAc/V
rt6vL36uu7AAA0IbEIoNtbm4Pm6k4nSWpxdOpzc3tqRsUAAAXkFhksLa06EmFnTgAAJKNxCKD
lRcXORoHAECyKvHksGnVpap0FynaplKXuneHTKsuTeWwAACIisQihbr8lhp3HdST2z5U466Dc
Ysu8/NcWjq3RpLCKovAz0vn1tDPAgCQMehjKSJ2e1HMrq3U8gWTw66toI8FACADuSzLSuleRa
/XK7fbLY/Ho5KSk1s+ddoEelGEftCBeYblCybHTRDovAkASCfT+zczFkkWrxefs929KK6sqYi
ZKOTnuVQ3vixZwwQAwBHUWCQZvSgAALmEXCLJ6EUBAMglJBZJRi8KAeAuIbFIMnpRAABYCYlF
ktGLAgCQS0gsUiDQi6LCHbzcUeEuMtpqCgBatmC7aYrMrq3U1TUV9KIAAPRpJBYPrc8KAEBfx
1IIAABwDIkFAABwDIkFAABwDIkFAABwDIkFAABwDIkFAABwDIkFAABwDIkFAABwDIkFAABwDI
kFAABwDC29U6jLb3FWCACgT+vJmWYzcVkcrcn09a9/3aHh9F3rmlp06X0v6sYVm3TH6m26ccU
mXXrfileX1JLuoQE4BjbicVrr72mX/ziF5o4caKT4+mT1jW1aNGqrWrxdaY93+rp1KJVW0ku
AAB9hq3E4siRI5o/f75WrFihoUOHoj2mPqXLB6l+7XZZEX4Xek5+7XZ1+SNFAACQXWw1FosXL
9a1116rWbNmXy31+Xzyer1Bjlyyubk9bKbidJakFk+nNje3p25QAAAKScLFm6tXr9bWrVv12m
uvGcU3NDSovr4+4YH1FW0d0ZMKO3EAAGSyhGYs9u3bpzvuuEO//vWvVVRUZHTNkiVL5PF4eh7
79u2zNdBsVV5s9jmZxgEakMkSmrHYsmWL2traNHny5J7nurq6tHHjRv3sZz+Tz+dTfn5+0DWF
hYUqLCx0ZrRZAfPlqSrdRTGXQyrd3VtPAQDI dglkFl dcccYXefvvtOe+9KUv6dxzz9V3vvOds
KSir0qkH0V+nkufnVSPx2xsjvp6n51UGbefBT0wAADZIKHEori4WLW1tUHPDRo0SGV1ZWHP91
XrmlpUv3Z70AXepbtIS+fWahZtZVh8l9/SU2/G3k761Jst+pfZ50VNFBj9TwAA0oWW3gmw048
i3q4QKfauEHpgAACySa9beq9fv96BYWS+eP0oXOruR3FlTUXQzENvdoXYfU8AANKFGQtDdvtR
9GZXCD0wAADZhsTCkN2Zh8CukFii7QqhBwYAINuQWBiyo/MQ2BUSS7RdIfTAAABkGxILQ4GZh
2iVDC5Fnnkw3RUS6awQu+8JAEC6kFgYys9zaencGkkKu9EHfl46tyZs5qE3u0IC7xnteDIryn
sCAJAuJBjYmF1bqeULJmtESXAn0RElhVq+YHLEnhLUSQAacgmJhS3R5izCDRTk1s48UlXgu2m
sUXDkOgAgk5BYJCDQRkrVGzy7cMAbo1mV6SpFhDi2mwIASg2JhaF4zaqkyLMHHx/xGb1+pDiW
UQAA2YbEw1A6GmSx3RQAKG1ILAZ1tkGWnS2jbDcFAGQbEgtDvWmQZWebam+vBQAgHUgsDPVm9
iCwTbUipLV3hbso6jZVJ64FACDVXJZlpXSvotfrldvtlsfjUULJSSrfutCu0IkBRVxBpKNeD
f6Lr+lzc3tauvoVHLxdxJiOttw4pRfv2rcrT3tx1RVOlBfrBurgn7khQCA1DC9f5NYJGhdU4v
ueWp70JbTSnerls6tSdrswbqmFtWv3R5UPJrs9wQA4HSm92/+5LUL0BdLZm4WmCUJ3ZHS6onR
OwMAgDQhsUjAJw2ygnTOHPD6knKTt9s7AwCAcGxMJSomzydNwEA2YbEw1A6bvLZ2Hmzy2+pc
ddBPbntQzXuOshsCgDkmH7pHKA6JbJLIx03+WzrvEmRKQAgZxOLRG+C6bjJT6sulacCFB090R
U1Z1BhfkZ03gzUn4TOTwSKTOM5AQC5ISeXQuzstJhSNVTxWk7kubrjnNL1t3QsRlIhScd8XW1
fbqDIFAAQkHOJhd2b4JY9hxTvvui3uu0c8qvG3RHHeTrrb3HprJEpACAg55ZCERkJ1o0v63ne
iRqLRltn7mk/ZvSeseLsdvvM9PoTAEbMyrnEwu5NsLclFg3PbNeK15uDZj3ufeYd3TqjWkuuq
Y14TVXpQKP3jBZnt5gyG+pPAACZKeeWQuzeBHtzCFnDM9vli43NYUspfkv6xcZmNTyzPeJrfr

FurFFdxfrxoY9b7djp53rON4dABCQc4mF3Zug3SPMT5zya8XLzTHHtOLlZp045Q97vqBfnq4
4rzzmtVecVx62nGK3jsTudRzvDgAiYLnEojc3wdml1bptZrVcIb9yuaTbZlZHXCb4VeNuo6LP
SAWYXX5LTR96Y17b9KE37EZvt5iyN0WYHO8OAJBySMZC+uQmGFpHUBGn/mBdU4t+sTF89iGwp
HHBmKFh1/amADPejV5yttC0t0WYs2srdWVNhe2j4QEA2S8nEwsp8Ztg19/SXb9/O+ZrLvn927
qypilONXpTgJnqQlMnijDz81xBSQ4AILfk3FLI6QI3wXmfOkN148ti/mW96f2DONzsZMzXO3T
spDa9fzDouS/WjQ1bOgnlilKAOWxwYewLo8TZbeZFESYAOLdyOrFIROOug/GDIst157k0oH9+
zGsG9M+PnNSYNqoMibPbzIsiTABAb5FYGLIss7t8aNzm5vb4bb1PdEUsiPz4qM/oPUPjelMrQ
REmAKA3EqqxWL58uZYvX67du3dLks4//3zdfffdmjNnTjLG1lGGDOxvK643N/101UpQhAkAsC
uhxGLUqFFatmyZzjrrLFmWpYcfljz5s3TG2+8ofPPPz9ZY8wIwwxv1qFxbvbnJB2oeYu0MiVT
zELiuldmZcTXFpe4ZiFi1EhRhAgDsSGgpZ07cubrmmt011ln6eyzz9a9996rwyMHA9OmTcka
X8YoLzYrpAyN682pqp15Ln12Uuy1h890qgybSaBWAgCQLrZrLLq6urR69WodPXpUdXV1UeN8P
p+8Xm/QIyuluJBS6t7i+tjrh8S89revfxDxOHJqJQAA6ZBwH4u3335bdXV16uzs1ODBg7VmzR
rV1EQ+REUSghoaVF9f36tBZgK7hZQftB81uu6D9qNSyNJDiltcLzlzWNjvelMrYfdUVABabks
4stjnnHO0bds2eTwe/e53v9PChQu1YcOGqMnFkiVLdOedd/b87PV6NXr0aPsjThO7tRJ/3H7A
6Lo/bj+g66eOCXouks2ukRILyV6thN1TUQEASHgppKCgQGeeeamTJmihoYGTZo0ST/96U+jx
hcWFqqkpCTokY3sNo9q9Rw3evlIcXa3uPaG3VNRAQCQHOhj4ff75fOZLRNkM7sFkab3/EhxJQ
PMtriaksVj93RTAAACEkoslixZoo0bN2r37t16++23tWTJEqlfv17z589P1vgyip2CyJIBZqt
NkeK8x2PXVyQaF09vtjCFAEBKsMairan1//iP/6iW1ha53W5NnDhRf/zjH3X11Vcma3wZJ9GC
ymFFFZrMJkeLinTGSaFw8vT3dFACAhBKLX/7yl8kaR1ZJpCBy2tgyPbe9zSguVN24YfrZS7viX
ls3LnLhZqKcON0UAJDBoCskyRZebHa66cKLx4Y9f9H4sritxIcM7K+LHOqQyemmAIDeIrFIso
J+eZpwRuydMBPOKFFBv/B/Ff15Li27bklMa5ddN8Gx/hJ07AQA9BaJRZKdOOXX2x/E7jb69gd
enTjlj/i77pq08oi/u7Km3PG+EnTsBAD0RsINspCY1X9qjtsN3Ppb3G2XjQ/7XcMz26PWaDy3
vU0Nz2zXkmuidz61g9NNAQB2MWORZM9ub7Udd+KUXw9ubI553YMbm6POdkjdVSkadx3Uk9s+V
OOug8Y9KAIFqvm+dYbqxpeRVAAAjDBjkWRen2EvighxD79iNtvx8CvNunVm+GwHrbkBAKnGjE
WSnVdh1sI8Utxru8NPPI0kUhytuQEA6UBikWR/P9nswLVIcYMK8o2uDY2jNTcAIF1ILJsumG
PiUhx100eZXRtaBytuQEA6UJikWSvvm929HmkuIvPHBZ31mJQYb4uDjkyndbcAIB0IbFIst9t
+cB2XH6eSxefGXvG4+II0zZozQ0ASBd2hdjQ5beMezy8s99j9JqR4k6c8uuFd2KfM/LCO206c
cof1Lkz0Jq71dmZsc7Cpe6GV7TmBgA4jcQiQYlu4Tx68pTR60aK+1XjbsWrr/Rb3XG3zBjX81
ygNfeiVv1koKSC9PW3IkkTwAABJBjYCCwhTP0Xh/Ywhmp5fXwQQX68LAv7msPH1QQ91zzwan
G44oUF2jNHZoEVRj0saD/BQDALhILQ/G2cLrUvYXzypqKoL/sSwcXSeqI+/rdcRFe2ESUuNm1
lfrMuSP0q8bd2tN+TFW1A/XFurERDzWlsJM8AQAQQGJhKJEtNHWnBR01XTyIFDe400xft7S4S
DMP//On5qgzD3aTJwAAAtgVYsjuFs4DHfGXQaLFtXrN3jNSnJ3Om/S/AAD0FomFoWGDC23FlQ
4w+4gjxvW6zbaDhsbZ7bxJ/wsAQG+RWBjyd5kVPITGvffrMaPrIsUNGRhe0BlJaJzdmQf6XwA
AeovEwtCruw07aIbEdfi6jK6LF0c9bngyakic3ZmHQP+LaNUTLNXpjtd/AgAQDYmFMXtlmJbh
zo5IcS7DtwyNszvzEOh/EW3Ilul3vWAA5DYSC0N1hoeJhcadWT7I6LpIcdPHGh5gFhLXm5mHN
/bGPqo93u8BALmNxMLQRePKNGRg/5gxQwf210Xjgm/ynzmn3Oj1I8X15ZvNDITGBWYepPB511
idN0+c8mvFy80x32vFy806ccpvNC4AQ04hsTCUn+fS1LFDY8ZcOHZo2M36pR0HjF4/UtZHR8y
2qkaKC3TerAjZMVLhLora5CqRFuIAAERCgyxDJ0759dz22AeCPbc9/ECw3QfNdoVEiis13BUS
LS7Rzpt72s3GahoHAMg9JBAghVpz7CWC0+O+8unxPT+7XHms4u8M6Y4L9tdWr9F7/rXVqxlnD
w97PtHOM1W1A43eL1Ych5cBQG5jKctQH5v224qbUFlsdF2kuN4cQman8+YX68YqXg6Q5+qOi2
RdU4suve9F3bhik+5YvU03rtiks+97MeJ7AQD6JhILQ20dJ2zF7fealU1EivvI8NrQOLudNwv
65enWGdUx3+vWGdUrl1LsJDIAGL6HxMJQebFZS+/QuOMnzRpkRYobUWLWjyI0rjdnfiy5pkZf
mVkdNnOR55K+MrNaS66pCbvGbiIDAOh7qLEWnHSQWSFlaFw/w/qCSHHVw8x6YITG9fbmJyXX1
OibV51rXPRp9+RXAEDfQ2JhqNxxw9ia0bkB/s0mhSHFfmF617/1/78S99gvTq4LH4MCZHWX98n
TLjHFGr8PhZQCAAJZCDNmddeeg0bCYVKW7bvsNG14bGpfrMDw4vAwAEkFgY+tSoIbbiBhWatQp
Firm7E5DqMz84vAwAEJBQYtHQ0KCpU6equLhY5eX1+tznPqcd03Yka2wZZeRQsx4PoXHVQwcY
XRcpL1tmAuy2EAcA9D0JJRYbNmzQ4sWltWnTJj333HM6efKkrrrqKh09atZvIZtNqy6NWrwYU
NgvL+yv8kOdZrtCISVNqy6NuWTTL88V9p6BXRqxxNul0eW31LjroJ7c9qEadx2Mu6Njdm2lbp
tZHXbSqss13TazOmJDLgBA35NQ8ea6deuCf165cqXKy8u1ZcsWzZw509GBZZoTp/xxD9/y/S1
mQEF+z3On/3MskeKOn+jSqTg39FN+S8dPdG1w0Sf/KuPt0pBi79KI1LGz010UtWNn4JoHNzaH
Lb/4LenBjc26YmxQkgsAyAG9qrHweDySpNLS6GvnPp9PXq836JEpEvmr/AfPxJ4BiBY3fLBZ/
4tIcd947A2ja0PjWj3Hja6LFGEn0VWsPhYB9LEAgNxge7up3+/X17/+dV1yySWqra2NGtfQ0K
D6+nq7b5M0if5V/v7HZss9oXHeTrPumZHi9hoe9hUa137UrEtoaFy8RlcudSciV9ZUBNVL0Mc
CABBge8Zi8eLFampq0urVq2PGLVmyRB6Pp+exb98+u2/pgDt/lQ+IU18RLe7dVrOEJFLcoEKz
ZZTQuF1LDWZLQOLsdO+ljqAaIsJVY3H777Xr66af10ksvadSoUTFjCwsLVVJSEvRIJ7vtp8eXD
zZ6/dC4o76TRtdFirtg9FCja0Pjyg0Ti9A4uwlCtuxeAQakX0KJhWVZuv3227VmzRq9+OKLqq
6OfWBVJrL7V3mLx2xJizTu0DGzxCS3F/2e4yudy3zW2a1DKFxdhME+lgAAAISSiWwL16sVat
W6Te/+Y2Ki4vV2tqq1tZWHT9uViyYCeZ+VX7wiN1loXGdp8xu8pHi3m01K3QNjXu1+aDRdaFv

dhME+lgAAAISSiyWL18uj8ejyy67TJWVlT2Pxx57LFnjc5zdv8oH9DfcNhoSZ3orjRR39KRZO
/DwOHvv2psEYXZtpZYvmKwKd/DnVuEu0vIFk9lqCgA5IqFdIZbhFHsmC/xV3urpjFhn4VL3zT
D0r/IKt1kHzdC4on7SsVPxryuK8G9iYEE/+U7FX0oZWBB8cd34Mv3spZ1xr4u0QyOQIITumKm
I08cicO2VNRXa3Nyuto5OlRd3f47MVABA7si5000Df5UvWrVVLikouYj1V/mEUW7p1fivP2GU
O+jnAf3zdexU/O6bkWZEaisG6+X3D8W9trYiuGD0onFlGjKwvw7HqO8YOrC/LhoXeetnbxKE/
DwXW0oBIIf15CFkgb/KR5SYT9u/aXjSaGic12fW0jtS3N5DZrUroXH5eS7dcGHs3Tr/z4WjYi
YKgQRh3qfOUN34MmYdAABGcjKx+ETWykispZ6/tnYYvWJonGGZ RMS4Dp/BGkqEuC6/pafeDO/
Fcbqn3myhEyYAwHE5mVgEGmSleoO3hh7w+qI2yDpi2I/CNM5EkWHBaGhcImeFOC3Rw8sAAH1L
ztVY2G1bPa5soN49EL+L5rgys+PVTQwpypdJK4shRcGJRbo6Ydo5vAwA0Lfk3IyF3QZZO9uOG
L2+aZyJdz8yOyskNG7YILPOm6ZxJuy0SQcA9D0511jYbpB11GyJwzTORJxT2qPG2e28aZfdNu
kAgL4n5xILuw2y+vcz2xVhGmci3/ClQuPsdt60y+4sEACg78m5xMJU22p3YX+j1zeNM3H2MLM
kKDTOdF7AqfkDTjcFAATkXGIRaJAV7aZqKXKDrN3tZvUOpnEmPjJp2RkhbsiAAqPrTOPi4XRT
AEBaziUWdvWmH4Vd7UfNEovQuGGDzRIG07h4ON0UABCQc4lFoNAwmsB209BCQ7v1Dr1i8wQzu
+ea2MXppgCagJxLLowWGPYUmX1UpnEmzNpjhcdNqRoqV5x7uMvVHecUTjcFAEG52CDLbqFhUb
98SfHXObrjnGG3CP013e2Kt5PUsrjLj1zmJ2hRcTppgCANess7BYa+rrMbvOmcSZchi8VGvf
Kzo+Nrnt158eOJhYSp5sCQK7LuaUQu8sEPoJzxOJMzGgwOwv/dC4Dw+bnYpqGgcAgKmcSywS
WSY4XZfhhg/TOBMnDttVhsaNHGJWlGkaBwCAqZxLLBJZJjhdcZHZqpFpnAm7Lb1NlZecXgYBA
CDnEgu7ywQDDPMF0zgTdnTnTB1barTcM3UsfSUAAM7KucRiRInZiZ6hcS0es8PFTOOSacueQ0
bLPVv2HERnGax0+S017jqoJ7d9qMZdBzmwDACyVM7tCjngMyuuDI07aXifM41LplaP2ayMaVy
yrWtqUf3a7UH9RSrdRVo6t4b+FwCQZXJuxiLeEkGicZmo/eiJXselagZhXVOLFq3aGta0rNXT
qUWrtmpdU0tS3hcAkBw5N2MxpnSgo3GZaFChWZOuaHGpmkEItFePlLJY+qS9+pU1FTTZAoAsk
XMzFmePKHY0LhM9/voHtuNSOYNgt706ACBz5Vxi8arhTco0LhN5080KSEPj4s0gSJEpaLPLbn
t1AEDmyrnEYr/hdlPTuExUUtTfVlyqZxDstlc/HbtJACCz5FyNRUWJ2c3MNC4T3TB1tLbsPWw
Ud7pUzyBMqy5VpbtIrZ7OILMkLnWfjjqtOnK/DXaTAEDmybkZiyo+U47GZaIzhpoVnObGOTGD
kiJ8PJeWzq2R1J1EnC7w89K5NRELN9lNagCZKecSC8vwMHLTuEx0yrAXeGhcYAYh2v4L17pnB
KLNINGxu7ZSyxdMVoU7OFmpcBdp+YLJEWceU10LagAwl3NLIXmGDSpm4zLR41v2Gcd9+tzynp
8DMwiLVm2VSwq6ccebQeiN2bWVurKmQpub29XW0any4u7kJdr7JFILwhHuAJBAOTdJMwnUEEf
jMtGm9w/ajrMzg+CE/DyX6saXad6nzlDd+LKYyQu7SQAgc+XcjMWHY2ZbMU3jMtHxk2Zty6PF
JTqDkGqprgUBAJjLuRmLtiNm20hN4zKRe4DZdlPTuEytjloQAICZhBOLjRs3au7cuRo5cqRcL
peeeOKJJAwref787seOxmWiGWcn71XcuqYWXxrfi7pxxSbdsXqbblyxSZfe92LG7LTozW4SAE
ByJZxYHD16VJmTdidDzyQjPEk3UHDJQ7TuEx0YdVQ23HZso0zXbUgAIDYEq6xmDNnjubMmZO
MsaSE2fFc5nGZyG4dsbYdCpbptSAAkIuSXrzp8/nk8/l6fvZ6vcl+y5i6LLMeD6ZxmeitDw7b
inNiG2eX30rpjT6wmwQAkBMsnlg0NDSovr4+2W9jrF+e2eqPaVwmemPfIVtxvd3GSYttAEDS7
55LliyRx+PeezbZ9a8KVmK+pstcpjGZaIThttnNQ+OGDS0ui5SXLbUZgAAkivpiUVhYaFKSk
qCHunUdcqs/sA0LhMNKDCbiAqLM12xCImjxTYAICB75/tt+sBj1jCYxmWiU4Y38NC4j4/4okQ
GC41L9XhrAIDMLXCnXZEjR7Rz586en5ubm7Vt2zaVlpZqzJgxjg4uGboM/2g2jctEhwwThNA4
ux0tabENAAhIOLF4/fXXdfnl1/f8fOedd0qSfi5cqJUrvzo2sGQxzReyOK9QplmJRVjclKqhc
rkkK8b/eJerO+50tNgGAAQknFhcdtllsmLdeZB28ZKD0+NO91pze9zrLKs77pKzhvU8N6VqqP
JcUqwVmLwICQkAoO/pEzUWXX5LjbsO6slth6pxl8GcLxIszDerwgyN+/Ou4yuC43bsudQzKR
C6k46tuwx2wYLAMheWX+6Kb0Twg3s79LxU/GTq4H9gxOLDw+Z1UCExlFjAQAIyOoZC3onRHb8
pFnX0PA4exUo1FgAAAKyNrGI1zvBUu72TjDMK8LiTD+q0LjAMEaxJOsY8xOn/Prly+/r7ieb9
MuX39eJU9nbih0A+oKsXQqJ1ztBin+uRV/1MkwQQuPaj5ptUw2Ny89z6bOTKvWLjclRr/nspE
rHwzxpGa7VrzchJTto3PvMO7p1RrWWXFPj6HsBQKZL9VlN0WRtYtHqNVuvN43rS1wuGa1qhO4
KGWjYsTM0rstv6ak3Yy87PfVmi/5l9nlrv+SJ/gfR8Mz2iImM31LP8yQXAHJfJtUbZu1SyMcd
hl0iDeP6ErtLIaZLFaFxicweRbKuquWX3veiblyxSXes3qYbV2zSpfe9GLVG5sQpv1a8HH12R
JJWvNzMsgiAnJBp9YZZmlgcOnbC0bi+xPR2Ghq38OLquMeFuP4Wd7re7Aqx8x/Erxp3G21v/V
XjbqNxAUC2ysSzmrI2sciNHppqVdAvT2PKBsSMGVM2QAX9gr82dneF2P0PYk/7MaP3M40DgGy
ViWc1ZWli4R5Q4GgcpOMnurTn4PGYMXsOhtfxE8G9wKdVl2rIwP4xrXsysH/CSyjr/oOoKh0Y
871M4miqBqAvyMQ+Q1lbvNl+1GyJwzQO0vee/otx3A+um5jQa0daYrH7H8QX68bq3mfeidtC/
It1YyP+LpOKnACgNzKxj1DWzli8+cFhR+P6EtN/qaFxr+z82Oi60LjNze06fCz2MfOHjp0Mm3
mw+x9EQb883TqjOkp0t1tnVIct2UiZV+QEAL0R6CMURt7OpeT1EYomaxOLnQc6HI3rS4oM56F
C49qPx04OosXZnXnozX8QS66p0VdmVit0R2qeS/rKzMh9LDKxyAkAeiM/z6Wlc7v//y70/0sD
Py+dW5PSfhZZuxTS0Wl2EzSN60uOnbIXVzqgv7zH419cOiC4nmLYoEKj9wuNC/wh8dVVWypGW
4r9H8SSa2r0zav01a8ad2tP+zFVlQ7UF+vGRpykpBKr6cilpmoAstfs2kotXA5bIm3Ik1Lvf
mbWBT2y5OvK/7GysIoNxmEu2h8mXa3f2AUF8Q0EU5CwlzQL0+3zBhnFJuJR4A4ITZtZW6sqY
iIzpvZuldt3r4YefjIF19XoWtuI+PGDYrC4kLLE1E45KzSxOZWOQEAE7Jz3OpbnyZ5n3qDNWN
L0tLUiF1cWixtCj29sZE4yC9tttdsn3NonN2lkFTvv87EiicA6GuyNrFoaJnsaByk/YfNlgDC4
mwuhaR6aSiTi5wAoK/J2stI4NGu+EEJxEE6Y2jsrppvR4uwuhaRjaSJQ5FQRcsx7hbtIyxdMpo

8FAPRS1hZv0tDbeRdVl+mBl3YZxZ3OboIQWJpo9XRG/PfkUvcN3+mliUwqcgKAviZrEws4Ly/
0HHXDuClVQ5XnUtxOmFOqhgy9F1iaWLRqq0JPek/20kSgyAkA4KysXQqB8z4+arikERK3Zc8h
o9NGt+w5FPY8SxMA0LcwY4Eednd39LYIk6UJAog7SCzQw2+ZVaSExj1RhMnSBAD0DSyFoMerh
v0iQuPoDWEACCCx6INmp6HC4+zttaE/BAAggMSiDxpYlG8rrm7cMKPrIsVRhAkAkKixwGkuG1
+mIQP76/Cx6CfCdhnYP/wQsr+hCBMAwIXFHZsgv9m/1tC4/DyXl103IeY1y66bEDNRyJRDcAA
A6UFi0QfVVJbYjptdW6mfL5isipLgLaUVJYX6OUsaAIA4WArJYKOHFGmfwcFgo4cElzVcfOZw
vfTuwbjXXXzm8IjPs6QBALCLGYsMds0Es9mB0LiFF1fHPXDU9be4aFjSAADYQWKRZF+aMcp23
Mxzyo2uDY0r6Jen22ZGTxok6baZ1Srox79+AlCzbN1ZHnjgAY0d01ZFRUWaPn26Nm/e7PS44h
rtNms/bRqXLBMrzbpJRoq7aFz3Lo1Yhg7sr4vGhV+75JoafWVm+MyFS9JXZlZryTU1RuMCACA
RCScWjz32m068804tXbpUW7dularJk3T11Verra0tGeOL6p7/U+toXDyTzjAriAyNq3APMLou
UpzJLo2GGLs01lxTox3fn6PvXnue/rGuSt+99jzt+P4ckgoAQNIknFjcf//9uvXWW/WlL31JN
TU1+vnPf66BAwfqf//3f5MxvqguO3+E4i3757m64073zO0zjF4/NO6RWy4yui40LtDuOpZY7a
4/2aVRFHANyS6Ngn55umXGOP3HvFrdMmMcyx8AgKRKaFfiIRMntGXLFi1zsqTnuby8PM2aNUu
NjY0Rr/H5fPL5Pjlm2+v12hxqsPw81/7v/Mn66qqtUWP+7/zJYX/N14wy3IoZEuCe2F9VZQO0
5+DxqNdUlQ2QO2TpItDuetGqrREbZrsUv901uzQAANKioT9fP/74Y3VldWnEiOBZgBEjRqilt
TXiNQ0NDXK73T2P0aNH2x9tiMBf88MGBremHjYwP+Zf87uXXRvzdaP9fsO3P6OqsshLG1VlA7
Th25+JOs7lCyaHzVxUJtDuml0aAIBs4LIsw7OyJe3fv19nnHGGXnnlFdXV1fU8/y//8i/asGG
DXn311bBrIs1YjB49Wh6PRyUlZrMH8XT5LVt/zW//wKv/87OX5Vd3hvX07TOMZjQ8x07q5pWb
td/TqZHuIv3vTdPCZiqcHCcAAOnm9Xrldrj3r8TWgoZNmyY8vPzdeDAgaDnDxw4oIQKiojXF
BYWqrAwuTszAn/NJ6pmVinejzN7EYl7YH/9v/90ScLX2R0nAADZiGklKCAk2ZMkUvvPBCz3
N+v18vvPBC0AwGAADITQm39L7zzjulcOFCXXjhhZo2bZp+8pOf6OjRo/rSl76UjPEBAIASknB
iccMNN+ijjz7S3XffrdbWVn3qU5/SunXrwgo6AQBA7kmoenMJpsUfAAAgc5jev+mWBAAAHENi
AQAAHENiAQAAHENiAQAAHENiAQAAHJPwdtPeCmxCceowMgAAkHyB+3a8zaQpTyw6OjokydHDy
AAAQGP0dHTI7XZH/X3K+1j4/X7t379fxcXFCrnCD+AKHFK2b98++lyE4LOJjM8lMj6X6PhsIu
NziY7PpnumoqOjQyNHj1ReXvRKipTPWOTl5WnUqFFx40pKSnL2X148fDaR8blExucSHZ9NZHw
u0eX6ZxNrpiKA4k0AAOAYEgsAAOCYjEssCgsLtXTpUuUWFqZ7KBmHzYyPpfi+Fyi470JjM8l
Oj4bcykv3gQAAH1Xxs1YAACA7EViAQAAHENiAQAAHENiAQAAHJNxicUDDzygsWPHqqioSNOnT
9fmzZvTPaSuueee+RyuYIe5557brqHlRYbN27U3LlznXLkSLlclJ3xxBNBv7csS3fffbcqKy
s1YMAAzZo1s++99156BptC8T6Xm266Kew7NHv27PQMNoUaGho0depUFRcXq7y8XJ/730e0Y8e
OoJjOzk4tXrxYZWVlGjx4sP7u7/50Bw4cSNOIU8fks7nsssvCvjdf/epX0zTi1Fi+fLkmTpzY
0wSrrq5Of/jDH3p+n6vfl0RlVGLx2GOP6c4779TSpUuldetWTZo0SVdfbXa2trSPbS0Ov/88
9XS0tLz+NOF/pTuIaXF0aNHNNwSJD3wwAMRf//DH/5Q//Vf/6Wf//zneVXVvZVo0CBdffXV6u
zsTPFIUyve5yJJs2fPDvoOPfrooykcYXps2LBBixcvlqZNm/Tcc8/p5MmTuuqqq3T06NGemG9
84xtau3atHn/8cW3YsEH79+/Xdddl8ZRp4bJZyNJt956a9D35oc//GGArpwao0aNoRjly7Rl
yxa9/vrr+sxnpqN58+bpL3/5i6Tc/b4kzMog06ZNsxYvXtzzclDXlZVy5EiroaEhjaNKR6VLl
lqTJklK9zAyjiRrzZo1PT/7/X6roqLC+s//M+e5w4fPmwVFhZajz76aBpGmB6hn4tlWdbChQ
utefPmpWU8maStrc2SZG3YsMGyr07vR//+/a3HH3+8J+add96xJFmNjY3pGmZahH42lmVZn/7
0p6077rgjfyPKEEOHDrX+53/+h+9LajJmxuLEiRPasmWLZs2a1fNcXl6eZs2apcbGxjSOLP3e
e+89jRw5UuPGjdP8+f0ld+/edA8p4zQ3N6ultTXo++N2uzV9+vSc//5I0vr16lVeXq5zzjlHi
xYt0sGDB9M9pJTzeDySpNLSUknSlilbdPLkyaDvzLnnnqsxY8bk3Hcm9LMJ+PWvf6lhw4aptr
ZWS5Ys0bFjx9IxlVTo6urS6tWrdFToUdXV1ff9SUDKDyGL5uOPP1ZXV5dGjBgR9PyIESP017/
+NU2jSr/p06dr5cqVOuecc9TS0qL6+nrNmDFDTU1NKi4uTvfwMkZra6skRfz+BH6Xq2bPnq3r
rrt0ldXV2rVrl/71X/9Vc+bMUWNjo/Lz89M9vJTw+/36+te/rksuuUS1tbWSur8zBQUFGjJkS
FBsrnlIn02kvSFL3xBVVVGjlypN566y195zvf0Y4dO/T73/8+jaNNvrfffltl1dXXq7OzU4M
GDtWbNGtXU1Gjbtm18XwxlTGKByObMmdPzzxMnTt06dNVVWl3/72t7rlllvSODJki3/4h3/
o+ecJEyZo4sSJGj9+vNavX68rrrgijSNLncWLF6upqSlN65NiifbZ3HbbbT3/PGHCBFVWVuqK
K67Qr127NH78+FQPM2XOOeccbdu2TR6PR7/73e+0cOfCbdiwId3DyioZsxQybNgw5efnh1XYH
jhwQBUVFWkaVeYZmMSizj77bO3cuTPdQ8koge8I35/4xo0bp2HDhuXmd+j222/X008/rZdeek
mjRo3qeb6iokInTpzQ4cOHg+Jz6TsT7bOJZPr06ZLU5783BQUFOvPMMzVlyhQ1NDRo0qRJ+ul
Pf8r3JQEZklgUFBROypQpeuGFF3qe8/v9euGFF1RXV5fGkWWWI0eOaNeuXaqsRz3UDJKdXWl
Kioqgr4/Xq9Xr776Kt+fEB988IEOHjzY579DlmXp9ttv15ola/Tiyy+quro66PdTpKxR//79g
74z03bs0N69e/v8dybeZxPJtm3bJKNPf29C+f1++Xy+nP6+JCzdlaOnW716tVYWGItXLN52r
59u3XbbbdZQ4YMsVpbW9M9tLT55je/aa1fv95qbm62/vznPluzZs2yhg0bZrWltaV7aCnX0dF
hvfHGG9Ybb7xhSbLuv/9+64033rd27NljWZzlLVu2zBoyZij15JNPWm+99ZY1b948q7q62jp+
/HiaR55csT6Xjo4061vf+pbV2NhoNTc3W88//7wleFJk66yzzrI6OzvTPfSkWrRokeV2u6316
9dbLS0tPY9jx471xHzlq1+1xowZY7344ovW66+/btXV1Vl1dXVpHHVqxPtsdu7caf3Hf/yH9f
rrrlvNzc3Wk08+aY0bN86aOXNmmkeeXHfddZelYcMGq7m52Xrrrbesu+66y3K5XNazzz5rWVb
uf18SlVGJhWVZ1n//939bY8aMsQoKCqxp06ZzmzZtSveQ0uqGG26wKisrrYKCAuuMM86wbrjh

